

The background of the cover is a high-angle aerial photograph of Ankeny, Iowa. It shows several buildings, including a large industrial facility with a metal roof and multiple loading docks, a church with a distinctive green roof and solar panels, and a water tower on the right. The surrounding area is filled with trees showing autumn colors. A blue diagonal bar runs from the top left to the bottom right, partially covering the image.

CAPITAL IMPROVEMENT PROGRAM

2024 - 2028

2024-2028

CAPITAL IMPROVEMENT PROGRAM

INTRODUCTION

The capital improvement program serves as a guide for the provision of public improvements and outlines the timing and financing of projects for a five-year period. The capital budget is a significant portion of the fiscal year 2025 budget. It includes the costs associated with the 2024 capital projects, the first year of the 2024-2028 Capital Improvement Program.

The capital improvement program identifies capital needs, establishes priorities and identifies secured and potential funding sources. Key resources used in formulating the capital improvement program include *The Ankeny Plan 2040*, as well as professional studies of facilities, transportation, utilities and drainage needs.

The capital improvement program neither appropriates funds nor authorizes projects. The city council must act to initiate projects. Proceedings to initiate capital improvement program projects are presented to the council when sources of funding are available and the project is set for design and/or construction.

Annually, staff performs an extensive evaluation of capital project requirements, updates the adopted capital improvement program document, incorporates recommended changes, and submits the revised program to the city council for consideration, modification and adoption as a part of the annual budget process.

During the preparation of the recommended capital improvement program, city staff employs judgment to identify which projects can be accomplished within a given year and within the city's financial constraints. As would be expected, project expenditures and revenue estimates for the earlier years are more precise than the later years.

FISCAL OVERVIEW

The 2024-2028 Capital Improvement Program reflects a \$44,844,000 increase in project expenditures over last year's program. This is mostly due to the municipal buildings category and the addition of the Public Works Maintenance Facility Expansion project in 2024, 2025 and 2026. Also, new in this year's capital improvement program is the operating/construction equipment category, which includes the replacement of the fire department's ladder truck in 2028.

GOALS

The city council's goals provide policy guidance for the evaluation of capital improvement program projects. These goals include:

- Upgrade essential infrastructure
- Exercise financial discipline
- Deliver exceptional service
- Enhance quality of life
- Strengthen community engagement
- Ensure economic vitality
- Provide regional leadership
- Become the employer of choice

In addition to these goals, *The Ankeny Plan 2040* serves as the basis for many of the city's policy decisions related to a wide range of issues including capital projects. *The Ankeny Plan 2040* community goals related to the 2024-2028 Capital Improvement Program include:

1. Provide infrastructure investments that correspond to the community's growth potential;
2. Ensure that development within Ankeny and on Ankeny's periphery demonstrates environmental responsibility and adheres to the city's long-term growth goals;
3. Assure that the transportation system is adequate to meeting future demands; and
4. Encourage the development of an interconnected system of parks, trails and civic parkways and maintain a high level of service for recreational facilities as new neighborhoods emerge.

PROCESS

The capital improvement program process includes the submittal of request forms that gather information about capital projects including information on the department, project type and purpose, funding sources, underlying studies, and reasons for the project's timing. This information is combined with other factors such as relevance to city council goals, method of financing and whether or not it is a new or replacement project.

The projects are then evaluated based on the information provided on the forms. The following criteria may be considered when evaluating capital projects:

- Meets legal mandates
- Reduces hazards and improves public safety
- Advances a council goal or priority
- Improves efficiency
- Maintains standards of service
- Supports economic development
- Improves services and convenience
- Affordability
- Improves the quality of life or aesthetic values

These criteria are used as general guidelines that help determine priorities among the capital project requests. Projects are then evaluated and presented to the city council for consideration based on priorities and financial guidelines.

Since the 2024 capital improvement program projects will become part of the adopted fiscal year 2025 budget, the emphasis in the capital improvement program process is on the 2024 capital program. The projects for the remaining four years of the program become part of the city's long-term financial program. Although not an official part of the capital improvement program, an overall summary is included that contains an additional five years of high priority projects.

PROGRAM OVERVIEW

For 2024-2028, the capital improvement program totals \$244,866,000. Of this total, 50.70% is identified for transportation projects, 30.25% for municipal utilities (water, sewer and storm water) projects, 13.33% for municipal buildings, 3.53% for park facilities, 1.17% for sidewalks/trails and 1.02% for operating/construction equipment.

Capital spending authorizations by project category for 2024 include:

Project Category	Expenditure	% of Expenditure
Bridge/Box Culvert	\$ 700,000	1.22%
Municipal Buildings	7,440,000	12.97%
Park Facilities	1,744,000	3.04%
Sanitary Sewers	5,476,000	9.54%
Sidewalks/Trails	575,000	1.00%
Storm Water	1,865,000	3.25%
Streets	20,800,000	36.25%
Traffic Control	2,739,000	4.77%
Water Mains	4,024,000	7.01%
Water Towers/Storage	12,021,000	20.95%
Total	\$ 57,384,000	100.00%

For additional information see the Category Summary and Projects by Category reports in Section 3 of the capital improvement program.

FINANCIAL PLAN

The program represents a concerted effort to ensure that needed capital projects are in place in a timely manner to accommodate growth and development. Staff has worked to mitigate the impact that debt service requirements have on the debt service levy by careful review of the need for projects and the timing of projects.

The financial plan presents a diversified approach to funding the 2024-2028 Capital Improvement Program with 64.12% coming from sources other than property taxes. The plan focuses on finding revenue sources from outside the community to lessen the burden on taxpayers and aggressively seeks partnerships for enhancing the city's infrastructure. The capital improvement program financial plan relies on regular general obligation debt with substantial reinvestment in infrastructure. Typically, any infrastructure reinvestment, such as street rehabilitation, is funded primarily by property taxes from the debt service levy.

Below is a summary of the funding sources for the 2024-2028 Capital Improvement Program.

Funding Source	Revenue	% of Revenue
Property Taxes	\$ 87,847,600	35.88%
Grants and Intergovernmental	26,046,448	10.64%
Tax Increment Financing	13,829,500	5.65%
Municipal Utilities Revenues	81,748,790	33.38%
Miscellaneous Revenues	35,393,662	14.45%
Total	\$ 244,866,000	100.00%

For additional information see the Funding Source Summary and Projects by Funding Source reports in Section 3 of the capital improvement program.

PROPERTY TAXES

Property taxes, specifically those collected through the city's debt service levy, are the largest source of revenue for the capital improvement program representing \$87,847,600, or 35.88%, of the overall financial plan. Property tax revenue is used to make principal and interest payments on general obligation debt issued by the city to pay for infrastructure projects.

There are six types of general obligation debt issued by the city with all types backed by the full faith and credit of the city's taxing authority:

1. Regular general obligation debt—debt service levy
2. Road use tax-abated general obligation debt – reimbursement received from road use tax fund
3. Tax increment financing (TIF)-abated general obligation debt—reimbursement received from tax increment financing fund
4. Water-abated general obligation debt—reimbursement received from water fund
5. Sewer-abated general obligation debt—reimbursement received from sewer fund
6. Storm water-abated general obligation debt—reimbursement received from storm water fund
7. Referendum approved general obligation debt—additional debt service levy authority for capital projects approved by a vote of a super-majority of voters

GRANTS AND INTERGOVERNMENTAL

Each year staff looks for opportunities outside of the normal funding mechanisms (property taxes and utility rates) to assist with the construction of infrastructure projects. These opportunities can include awards of federal and state grants, regional resources, or assistance from other governments. The proposed capital improvement program financial plan identifies \$26,046,448 to be received from grant awards or intergovernmental assistance, representing 10.64% of all revenue sources.

The projects most dependent upon grants and intergovernmental support are the South Ankeny Boulevard Improvements – SE Peterson Drive to 1st Street, North Ankeny Boulevard Improvements – 1st Street to 11th Street and West 1st Street Widening and Improvements – Phase 2. Staff has secured \$11,435,000 from the Iowa Department of Transportation and \$2,846,500 from the Des Moines Area Metropolitan Planning Organization (MPO) for these projects.

For 2024, staff has secured \$787,500 from the Iowa DOT and \$1,973,748 from the Des Moines Area MPO for various transportation projects with the largest being the NE Delaware Avenue Reconstruction – NE 5th Street to NE 18th Street and SW Oralabor Road and SW State Street Intersection Improvements. In addition, \$1,075,000 is anticipated from the Iowa Department of Transportation and Polk County for the SE Creekview Drive Extension and NW 36th Street and NW Weigel Drive Asphalt Overlay projects.

TAX INCREMENT FINANCING

Of the five funding sources, \$13,829,500, or 5.65%, is being financed through TIF abatement. The West 1st Street Widening and Improvements – Phase 2 project is planned for preliminary design in 2024. This project is located within the Ankeny Economic Development Urban Renewal Area.

MUNICIPAL UTILITIES

The municipal utilities (water, sewer and storm water) help support numerous infrastructure projects to ensure each utility can adequately provide service to Ankeny's utility customers. Resources from the utility funds make up \$81,748,790, or 33.38%, of the capital improvement program financial plan.

Projects within the annual utility programs for 2024 include:

- NW Northlawn Area utility improvements;
- Westlawn Place Area utility improvements;
- Sanitary sewer spot repairs, manhole repairs and slip lining; and
- Storm water projects include maintenance and storm sewer improvements along Saylor Creek near Vintage Business Park and in the Vintage Greenway; replace storm sewer intakes and cross-run storm sewer pipes on SW Des Moines Street, at NW 9th Street and NW School Street intersection and at NW 5th Street and NW School Street intersection; and other minor storm sewer improvements and repairs.

Major utility projects planned for 2024 construction include the Four Mile Creek Trunk Sewer – Phase 2, SE 3rd Street Area Trunk Strom Sewer Improvements, NE 36th Street and NE 38th Street Water Main Loop and Northwest Water Tower.

MISCELLANEOUS REVENUES

The financial plan includes contributions from miscellaneous sources totaling \$35,393,662, or 14.45%, of the 2024-2028 Capital Improvement Program. This includes capital project fund cash balances, capital reserve fund cash balances, hotel/motel tax fund revenues, Otter Creek Golf Course fund cash balances, park dedication fund cash balances, private contributions, road use tax fund revenues and special assessment revenues.

CONCLUSION

This document represents the culmination of a systematic process employed by the city council and staff to develop a five-year program of infrastructure projects critical to the growth of the Ankeny community.

Projects proposed for completion from 2024-2028 will sustain existing infrastructure and support the expansion of new economic development opportunities. It is noted, however, that a significant number of projects will need to be considered in the future. With this in mind, the capital improvement program represents a balanced approach, making prudent investments while targeting construction in areas essential to sustaining Ankeny's commitment to attracting businesses, managing growth, and improving the quality of life.

Section 1

2024 CIP Projects by Funding Source

Project	Project #	2024	General Obligation Bonds				Revenue Bonds		Miscellaneous					
			Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 820,000	\$ 720,000						\$ 100,000					
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000								350,000			
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,355,000							1,355,000					
Annual Storm Water Replacement Program	STM-00-001	450,000							450,000					
Annual PCC Street Patching Program	STR-00-001	1,650,000	1,650,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	475,000	375,000						100,000					
Annual Pavement Preservation Program	STR-00-003	700,000	700,000											
Annual Street Replacement Program	STR-00-004	1,875,000	875,000								1,000,000			
Annual Traffic Signal Improvement Program	TRF-00-001	1,604,000	1,514,000									90,000		
Annual Water Main Replacement Program	WTM-00-001	825,000							825,000					
Community Entrance Signs	BLD-18-002	50,000							48,000	2,000				
Fire Station No. 4	BLD-20-002	6,810,000	210,000									6,600,000		
Public Works Satellite Salt Storage Facility	BLD-21-002	50,000							50,000					
Otter Creek Golf Course Clubhouse Renovations	BLD-24-001	200,000							200,000					
East of Interstate 35 Land Acquisition	BLD-24-002	330,000							66,000		99,000	165,000		
NE 62nd Street RCB Culvert for Four Mile Creek Tributary	BRG-23-001	700,000	700,000											
High Trestle Trail Experience Park	PRK-22-005	924,000							631,000	293,000				
SE 3rd Street Trunk Sewer Extension	SNS-20-002	791,000							791,000					
Trestle Ridge Trunk Sewer Cost Share	SNS-22-001	325,000							325,000					
Fire Station No. 4 Sanitary Sewer	SNS-24-001	730,000							730,000					
Four Mile Creek Trunk Sewer - Phase 2	SNS-24-002	2,275,000							2,275,000					
Sawgrass Park Dam Improvements	STM-19-004	90,000	90,000											
Four Mile Creek and Tributary Channel Stabilization - NE 47th Street to NE 54th Street	STM-20-001	130,000		130,000										
SE 3rd Street Area Trunk Storm Sewer Improvements	STM-20-006	940,000		540,000					400,000					
NW 17th Street Storm Sewer and Pavement Improvements	STM-24-001	20,000	11,600	8,400										
SW Des Moines Street Utility Improvements	STM-24-002	235,000		78,333						156,667				
NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street	STR-14-006	5,850,000	4,100,000						1,750,000					
NW 36th Street and NW Weigel Drive Asphalt Overlay	STR-19-004	2,450,000	2,300,000						150,000					
SW Oralabor Road and SW Edgewood Lane Intersection Improvements	STR-19-006	250,000	50,000						150,000	50,000				
SW Oralabor Road and SW State Street Intersection Improvements	STR-20-008	3,425,000							826,248	2,598,752				
NW Irwindale Drive and NW 18th Street Intersection Improvements	STR-21-004	375,000	375,000											
West 1st Street Widening and Improvements - Phase 2	STR-22-003	400,000			400,000									
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	500,000	465,000						35,000					
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	150,000	150,000											
SW Magazine Road and SW State Street Intersection Improvements	STR-23-006	475,000	475,000											
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	200,000	200,000											
SE Creekview Drive Extension	STR-24-002	2,025,000							925,000				1,100,000	
Fiber Optic Network Upgrade	TRF-23-001	650,000	650,000											
SE Corporate Woods Drive and SE Crosswinds Drive Traffic Signal	TRF-23-002	485,000	405,000										80,000	
Saylorville Feeder Main Purchase Capacity	WTM-17-008	604,000					604,000							
SW Walnut Street and SW Ordnance Road Water Main, including Uptown Parking Improvements	WTM-20-002	295,000					295,000							
NE 36th Street and NE 38th Street Water Main Loop	WTM-21-009	2,300,000					2,300,000							
Northwest Water Tower	WTT-19-002	11,295,000					11,295,000							
SE Magazine Ground Storage Tank Repaint	WTT-20-002	726,000					726,000							
		\$ 57,384,000	\$ 16,150,600	\$ 846,733	\$ 400,000	\$ -	\$ 15,220,000	\$ -	\$ 3,836,248	\$ 11,151,419	\$ 295,000	\$ 1,449,000	\$ 6,765,000	\$ 1,270,000

2024 Bond Issue Project Costs \$ 17,397,333
 Cost of Issuance 237,667
 Projected 2024 Bond Issue Total \$ 17,635,000

2025 CIP Projects by Funding Source

Project	Project #	2025	General Obligation Bonds				Revenue Bonds		Miscellaneous					
			Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 470,000	\$ 370,000						\$ 100,000					
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000								350,000			
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,320,000							1,320,000					
Annual Storm Water Replacement Program	STM-00-001	450,000							450,000					
Annual PCC Street Patching Program	STR-00-001	1,675,000	1,675,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	750,000	750,000											
Annual Street Replacement Program	STR-00-004	1,675,000	1,675,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,025,000	975,000					50,000						
Annual Water Main Replacement Program	WTM-00-001	800,000							800,000					
Community Entrance Signs	BLD-18-002	100,000								100,000				
Fire Station No. 4	BLD-20-002	1,370,000									1,370,000			
Public Works Satellite Salt Storage Facility	BLD-21-002	475,000							40,000		435,000			
Public Works Maintenance Facility Expansion	BLD-24-003	1,000,000					1,000,000							
NE 18th Street Bridge over Interstate 35	BRG-22-002	475,000	475,000											
Hawkeye Park Sports Complex Tennis Courts Reconstruction	PRK-18-003	850,000	850,000											
Sunrise Park Parking Lot Overlay	PRK-24-001	150,000	150,000											
Otter Creek Trunk Sewer - Phase 4	SNS-12-001	1,650,000							1,650,000					
SE 3rd Street Trunk Sewer Extension	SNS-20-002	353,000							353,000					
Trestle Ridge Trunk Sewer Cost Share	SNS-22-001	425,000							425,000					
Clover Ridge Trunk Sewer Extension	SNS-22-003	105,000							105,000					
Polk County Lift Station Decommissioning	SNS-22-004	154,000							154,000					
Sawgrass Park Dam Improvements	STM-19-004	445,000	445,000											
Four Mile Creek and Tributary Channel Stabilization - NE 47th Street to NE 54th Street	STM-20-001	2,160,000		1,040,000					1,120,000					
SE 3rd Street Area Trunk Storm Sewer Improvements	STM-20-006	415,000		15,000					400,000					
SE 3rd Street Area Collection Storm Sewer Improvements	STM-21-001	190,000		190,000										
Diamond Hills Greenway Stream Stabilization	STM-22-002	75,000		75,000										
NW 17th Street Storm Sewer and Pavement Improvements	STM-24-001	900,000	522,000	378,000										
SW Des Moines Street Utility Improvements	STM-24-002	1,515,000		505,000					1,010,000					
NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street	STR-14-006	150,000	150,000											
SW Oralabor Road and SW Irvindale Drive Intersection Improvements	STR-16-003	200,000							200,000					
NW Irvindale Drive and NW 18th Street Intersection Improvements	STR-21-004	4,025,000	4,025,000											
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	125,000				125,000								
West 1st Street Widening and Improvements - Phase 2	STR-22-003	875,000			875,000									
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	100,000	100,000											
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	5,700,000	1,950,000						3,750,000					
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	925,000	725,000						200,000					
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	215,000	215,000											
NE Chambers Parkway Pavement and Pedestrian Ramp Improvements	STR-24-002	150,000	150,000											
Fiber Optic Network Upgrade	TRF-23-001	805,000	805,000											
SW Walnut Street and SW Ordnance Road Water Main, including Uptown Parking Improvements	WTM-20-002	2,180,000			320,000			1,860,000						
East Water Tower	WTT-24-001	400,000						400,000						
		\$ 37,772,000	\$ 16,162,000	\$ 2,648,000	\$ 1,320,000	\$ 1,000,000	\$ 2,260,000	\$ -	\$ 5,120,000	\$ 7,007,000	\$ 100,000	\$ 785,000	\$ 1,370,000	\$ -

2025 Bond Issue Project Costs \$ 21,130,000
 Cost of Issuance 280,000
 Projected 2025 Bond Issue Total \$ 21,410,000

2026 CIP Projects by Funding Source

Project	Project #	2026	General Obligation Bonds				Revenue Bonds		Miscellaneous					
			Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 495,000	\$ 395,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000								350,000			
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,345,000								1,345,000				
Annual Storm Water Replacement Program	STM-00-001	450,000								450,000				
Annual PCC Street Patching Program	STR-00-001	1,750,000	1,750,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	800,000	800,000											
Annual Street Replacement Program	STR-00-004	1,800,000	1,800,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,185,000	1,185,000											
Annual Water Main Replacement Program	WTM-00-001	825,000								825,000				
Community Entrance Signs	BLD-18-002	100,000									100,000			
Public Works Maintenance Facility Expansion	BLD-24-003	16,250,000				16,250,000								
NE 18th Street Bridge over Interstate 35	BRG-22-002	400,000	400,000											
NE Spectrum Drive RCB Culvert for Otter Creek	BRG-22-004	140,000			140,000									
High Trestle Trail Experience Park	PRK-22-005	1,000,000								500,000	500,000			
Prairie Ridge Sports Complex North Parking Lot Overlay	PRK-24-002	1,870,000	1,870,000											
Clover Ridge Trunk Sewer Extension	SNS-22-003	846,000								846,000				
Polk County Lift Station Decommissioning	SNS-22-004	1,672,000								1,672,000				
SW Irvindale Drive Sanitary Sewer Replacement	SNS-23-002	12,000								12,000				
Four Mile Creek and Tributary Channel Stabilization - NE 47th Street to NE 54th Street	STM-20-001	1,265,000		596,300						668,700				
SE 3rd Street Area Collection Storm Sewer Improvements	STM-21-001	1,420,000		1,020,000							400,000			
Diamond Hills Greenway Stream Stabilization	STM-22-002	75,000		75,000										
Saylor Creek Tributary Channel Improvements	STM-22-005	190,000		190,000										
SW Des Moines Street Utility Improvements	STM-24-002	505,000		168,333							336,667			
SW Oralabor Road and SW Irvindale Drive Intersection Improvements	STR-16-003	500,000									500,000			
NW 36th Street Reconstruction - NW Irvindale Drive to NW Abilene Road	STR-18-003	200,000												200,000
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	250,000			250,000									
West 1st Street Widening and Improvements - Phase 2	STR-22-003	4,250,000			2,826,750						1,423,250			
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	400,000	400,000											
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	275,000	275,000											
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	2,125,000									300,000	1,825,000		
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	4,160,000	4,160,000											
NE Chambers Parkway Pavement and Pedestrian Ramp Improvements	STR-24-002	1,050,000	1,050,000											
Fiber Optic Network Upgrade	TRF-23-001	500,000	500,000											
South Ankeny Boulevard Water Main Improvements - SE Peterson Street to SW Ordnance Road	WTM-19-001	128,000												
East Water Tower	WTT-24-001	10,400,000												
		\$ 59,583,000	\$ 15,185,000	\$ 2,049,633	\$ 3,216,750	\$ 16,250,000	\$ 10,528,000	\$ -	\$ 2,891,950	\$ 8,311,667	\$ 600,000	\$ 350,000	\$ -	\$ 200,000

2026 Bond Issue Project Costs \$ 36,701,383
Cost of Issuance 438,617
Projected 2026 Bond Issue Total \$ 37,140,000

2027 CIP Projects by Funding Source

Project	Project #	2027	General Obligation Bonds				Revenue Bonds		Miscellaneous					
			Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 520,000	\$ 420,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000								350,000			
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,395,000								1,395,000				
Annual Storm Water Replacement Program	STM-00-001	450,000								450,000				
Annual PCC Street Patching Program	STR-00-001	1,850,000	1,850,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	850,000	850,000											
Annual Street Replacement Program	STR-00-004	1,900,000	1,900,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,490,000	1,490,000											
Annual Water Main Replacement Program	WTM-00-001	875,000								875,000				
Public Works Maintenance Facility Expansion	BLD-24-003	5,895,000				5,895,000								
SE Frisk Drive RCB Culvert for Four Mile Creek Tributary	BRG-20-001	55,000	55,000											
NE 18th Street Bridge over Interstate 35	BRG-22-002	2,250,000	2,250,000											
NE Spectrum Drive RCB Culvert for Otter Creek	BRG-22-004	1,250,000			1,250,000									
SW Irvineland Drive Sanitary Sewer Replacement	SNS-23-002	118,000								118,000				
Deer Creek Trunk Sewer Extension	SNS-23-003	216,000								216,000				
SE 3rd Street Area Collection Storm Sewer Improvements	STM-21-001	1,330,000		930,000						400,000				
Diamond Hills Greenway Stream Stabilization	STM-22-002	1,610,000		1,610,000										
Four Mile Creek Channel Stabilization - Downstream of East 1st Street	STM-22-003	160,000		95,000						65,000				
Four Mile Creek Channel Stabilization - NE 36th Street to NE 47th Street	STM-22-004	270,000		165,000						105,000				
Saylor Creek Tributary Channel Improvements	STM-22-005	210,000		210,000										
Four Mile Creek Channel Stabilization - Heritage Park	STM-23-001	95,000		45,000						50,000				
SW Oralabor Road and SW Irvineland Drive Intersection Improvements	STR-16-003	4,700,000			1,931,000					1,250,000	1,519,000			
NW 36th Street Reconstruction - NW Irvineland Drive to NW Abilene Road	STR-18-003	700,000	410,000											290,000
NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415	STR-18-004	250,000	250,000											
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	375,000			375,000									
West 1st Street Widening and Improvements - Phase 2	STR-22-003	4,475,000			3,051,750					1,423,250				
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	4,500,000	4,500,000											
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	3,500,000	650,000							2,850,000				
Fiber Optic Network Upgrade	TRF-23-001	610,000	610,000											
South Ankeny Boulevard Water Main Improvements - SE Peterson Street to SW Ordnance Road	WTM-19-001	1,172,000					1,172,000							
SW Irvineland Elevated Storage Tank Repaint	WTT-23-001	90,000								90,000				
		\$ 44,111,000	\$ 15,835,000	\$ 3,055,000	\$ 6,607,750	\$ 5,895,000	\$ 1,172,000	\$ -	\$ 5,743,250	\$ 5,163,000	\$ -	\$ 350,000	\$ -	\$ 290,000

 2027 Bond Issue Project Costs \$ 31,392,750
 Cost of Issuance 392,250
 Projected 2027 Bond Issue Total \$ 31,785,000

2028 CIP Projects by Funding Source

Project	Project #	2028	General Obligation Bonds				Revenue Bonds		Miscellaneous					
			Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 545,000	\$ 445,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000								350,000			
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,445,000								1,445,000				
Annual Storm Water Replacement Program	STM-00-001	500,000								500,000				
Annual PCC Street Patching Program	STR-00-001	1,950,000	1,950,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	900,000	900,000											
Annual Street Replacement Program	STR-00-004	2,000,000	2,000,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,490,000	1,490,000											
Annual Water Main Replacement Program	WTM-00-001	925,000								925,000				
SE Frisk Drive RCB Culvert for Four Mile Creek Tributary	BRG-20-001	385,000	385,000											
NE 18th Street Bridge over Interstate 35	BRG-22-002	6,525,000	4,525,000						2,000,000					
Ladder Truck Replacement	OEC-23-001	2,495,000	2,495,000											
High Trestle Trail Experience Park	PRK-22-005	1,000,000							500,000		500,000			
Deer Creek Trunk Sewer Extension	SNS-23-003	2,009,000								2,009,000				
Four Mile Creek Channel Stabilization - Downstream of East 1st Street	STM-22-003	150,000		90,000					60,000					
Four Mile Creek Channel Stabilization - NE 36th Street to NE 47th Street	STM-22-004	260,000		155,000					105,000					
Saylor Creek Tributary Channel Improvements	STM-22-005	3,400,000		3,000,000						400,000				
Four Mile Creek Channel Stabilization - Heritage Park	STM-23-001	90,000		40,000					50,000					
NW 36th Street Reconstruction - NW Irvineland Drive to NW Abilene Road	STR-18-003	7,325,000	7,325,000											
NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415	STR-18-004	800,000	800,000											
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	3,725,000			2,285,000				1,440,000					
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	100,000	100,000											
NE Delaware Avenue Reconstruction - Four Mile Creek to NE 36th Street	STR-23-002	500,000	500,000											
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	5,300,000	1,000,000						4,300,000					
SW Linden Street and SW Sharmin Drive Water Main Improvements	WTM-24-001	60,000					60,000							
SW Irvineland Elevated Storage Tank Repaint	WTT-23-001	1,187,000				1,187,000								
		\$ 46,016,000	\$ 24,515,000	\$ 3,285,000	\$ 2,285,000	\$ -	\$ 1,247,000	\$ -	\$ 8,455,000	\$ 5,379,000	\$ 500,000	\$ 350,000	\$ -	\$ -

2028 Bond Issue Project Costs \$ 30,085,000
 Cost of Issuance 370,000
 Projected 2028 Bond Issue Total \$ 30,455,000

<u>Annual Sanitary Sewer Replacement Program</u>	<u>Projected</u> <u>2023</u>	<u>Projected</u> <u>2024</u>	<u>Projected</u> <u>2025</u>	<u>Projected</u> <u>2026</u>	<u>Projected</u> <u>2027</u>	<u>Projected</u> <u>2028</u>
Beginning Cash Balance	\$ 1,976,615	\$ 1,342,325	\$ 987,325	\$ 767,325	\$ 622,325	\$ 527,325
Transfers In						
Sewer Fund	\$ 700,000	\$ 1,000,000	\$ 1,100,000	\$ 1,200,000	\$ 1,300,000	\$ 1,400,000
Total Transfers In	\$ 700,000	\$ 1,000,000	\$ 1,100,000	\$ 1,200,000	\$ 1,300,000	\$ 1,400,000
Project Expenditures						
Sanitary Sewer Oversizing	\$ 49,845	\$ 30,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Sanitary Sewer Spot Repairs, Manhole Repairs and Slip Lining	\$ 566,549	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000	\$ 575,000
NW Northlawn Area Utility Improvements	\$ 717,897	\$ 650,000	\$ 675,000			
Westlawn Place Area Utility Improvements		\$ 100,000	\$ 50,000	\$ 750,000	\$ 800,000	\$ 850,000
Total Project Expenditures	\$ 1,334,291	\$ 1,355,000	\$ 1,320,000	\$ 1,345,000	\$ 1,395,000	\$ 1,445,000
Remaining Cash Balance	\$ 1,342,325	\$ 987,325	\$ 767,325	\$ 622,325	\$ 527,325	\$ 482,325

<u>Annual Storm Water Replacement Program</u>	<u>Projected</u> <u>2023</u>	<u>Projected</u> <u>2024</u>	<u>Projected</u> <u>2025</u>	<u>Projected</u> <u>2026</u>	<u>Projected</u> <u>2027</u>	<u>Projected</u> <u>2028</u>
Beginning Cash Balance	\$ 413,688	\$ 436,944	\$ 386,944	\$ 336,944	\$ 336,944	\$ 336,944
Transfers In						
Storm Water Fund	\$ 350,000	\$ 400,000	\$ 400,000	\$ 450,000	\$ 450,000	\$ 500,000
Total Transfers In	\$ 350,000	\$ 400,000	\$ 400,000	\$ 450,000	\$ 450,000	\$ 500,000
Project Expenditures						
Small open cut repairs to storm sewers and/or structures near NW Briargate Drive, 700 block of NE 5th Street, SW 2nd Court, 1500 block of NW Linwood Street, 700 block of NE Hayes Drive and NE 31st Street and NE Trilein Drive	\$ 133,550					
Repairs to flow control structures/orifice plates in Renaissance Park, NE Briarwood Drive and the Public Services Building	\$ 5,000					
Erosion repairs at SW Ordnance Road and SW State Street and NW Greenwood Street	\$ 17,000					
Cost share to repair/replace culvert under SW Ankeny Road	\$ 25,000					
Maintenance and storm sewer improvements along Saylor Creek near Vintage Business Park and in the Vintage Greenway	\$ 101,079	\$ 200,000				
Replace storm sewer intakes and cross-run storm sewer pipes on SW Des Moines Street, at NW 9th Street and NW School Street intersection and at NW 5th Street and NW School Street intersection		\$ 155,000				
Drainage improvements on North Creek Trail near North Creek Park		\$ 20,000				
Four Mile Creek storm sewer outlet repairs		\$ 30,000				
Storm water conservation projects	\$ 15,000	\$ 10,000				
Minor storm water management and storm sewer improvements and repairs	\$ 30,115	\$ 35,000				
Storm water projects (TBD)			\$ 450,000	\$ 450,000	\$ 450,000	\$ 500,000
Total Project Expenditures	\$ 326,744	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 500,000
Remaining Cash Balance	\$ 436,944	\$ 386,944	\$ 336,944	\$ 336,944	\$ 336,944	\$ 336,944

<u>Annual Asphalt Street Resurfacing Program</u>	<u>Projected</u> <u>2023</u>	<u>Projected</u> <u>2024</u>	<u>Projected</u> <u>2025</u>	<u>Projected</u> <u>2026</u>	<u>Projected</u> <u>2027</u>	<u>Projected</u> <u>2028</u>
Beginning Cash Balance	\$ 268,331	\$ 353,986	\$ 253,986	\$ 253,986	\$ 253,986	\$ 253,986
Transfers In						
General Obligation Bonds	\$ 475,000	\$ 375,000	\$ 375,000	\$ 375,000	\$ 375,000	\$ 375,000
Total Transfers In	\$ 475,000	\$ 375,000				
Project Expenditures						
SE Corporate Woods Drive HMA Overlay - SE Four Mile Drive to Corporate Limits (cost share with Polk County)	\$ 32,105					
SW Ordnance Road HMA Overlay - SW Cherry Street to SW Railroad Drive	\$ 282,240					
County NE 38th Street HMA Overlay - East 1st Street to NE 18th Street (cost share with Polk County)	\$ 75,000					
SW Ordnance Road HMA Overlay - SW Westview Drive to SW Maple Street		\$ 375,000				
NE Frisk Drive HMA Overlay - East 1st Street to NE 18th Street (cost share with Polk County)		\$ 100,000				
SW Ordnance Road HMA Overlay - SW State Street to SW Westview Drive			\$ 300,000			
NW 54th Street HMA Overlay - City Limits to North Ankeny Boulevard (cost share with Polk County)			\$ 75,000			
Asphalt Street Resurfacing (TBD)				\$ 375,000	\$ 375,000	\$ 375,000
Total Project Expenditures	\$ 389,345	\$ 475,000	\$ 375,000	\$ 375,000	\$ 375,000	\$ 375,000
Remaining Cash Balance	\$ 353,986	\$ 253,986				

<u>Annual Traffic Signal Improvement Program</u>	<u>Projected</u>	<u>Projected</u>	<u>Projected</u>	<u>Projected</u>	<u>Projected</u>	<u>Projected</u>
	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
Beginning Cash Balance	\$ 1,039,349	\$ 171,524				
Transfers In						
General Obligation Bonds	\$ 875,000	\$ 1,514,000	\$ 975,000	\$ 1,185,000	\$ 1,490,000	\$ 1,490,000
Road Use Tax Fund	\$ 400,000					
Developer Contributions		\$ 90,000				
Polk County			\$ 50,000			
Total Transfers In	\$ 1,275,000	\$ 1,604,000	\$ 1,025,000	\$ 1,185,000	\$ 1,490,000	\$ 1,490,000
Project Expenditures						
SE Delaware Avenue and SE 8th Street Traffic Signal, Left Turn Lanes and Fiber Optic Connection	\$ 6,574					
North Ankeny Boulevard and NE 54th Street Traffic Signal and Left Turn Lanes	\$ 159,125					
SE Corporate Woods Drive and SE Convenience Boulevard Traffic Signal and Lane Modifications Cost Share	\$ 174,524					
North Ankeny Boulevard Fiber Optic Upgrade - 1st Street to 18th Street	\$ 69,089					
SE Quadrant Fiber Optic Upgrade, Phase 1 - Public Works Maintenance Facility to Gay Lea Wilson Trail	\$ 89,532					
SW State Street and SW 11th Street Traffic Signal Cost Share	\$ 150,000					
SE Delaware Avenue Fiber Optic Connection	\$ 23,475					
Northwest Elementary School Signal Replacement	\$ 6,038					
2023 Fiber Optic Cable	\$ 47,718					
2023 Fiber Optic Equipment	\$ 21,263					
NW 36th Street Fiber Optic Redundancy	\$ 62,895					
High Trestle Trail Rectangular Rapid Flashing Beacons - SE Magazine Road and SE Shurfine Drive	\$ 59,672					
NW Prairie Ridge Drive, NW Ash Drive and NW 9th Street Intersection Concept Study	\$ 34,670					
SE Oralabor Road, SE Convenience Boulevard and SE Creekview Drive Traffic Signal Replacement	\$ 918,460					

<u>Annual Water Main Replacement Program</u>	<u>Projected</u> <u>2023</u>	<u>Projected</u> <u>2024</u>	<u>Projected</u> <u>2025</u>	<u>Projected</u> <u>2026</u>	<u>Projected</u> <u>2027</u>	<u>Projected</u> <u>2028</u>
Beginning Cash Balance	\$ 1,116,942	\$ 893,439	\$ 768,439	\$ 693,439	\$ 618,439	\$ 518,439
Transfers In						
Water Fund	\$ 600,000	\$ 700,000	\$ 725,000	\$ 750,000	\$ 775,000	\$ 800,000
Total Transfers In	\$ 600,000	\$ 700,000	\$ 725,000	\$ 750,000	\$ 775,000	\$ 800,000
Project Expenditures						
Water Main Oversizing	\$ 105,605	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000
NW Northlawn Area Utility Improvements	\$ 717,897	\$ 650,000	\$ 675,000			
Westlawn Place Area Utility Improvements		\$ 100,000	\$ 50,000	\$ 750,000	\$ 800,000	\$ 850,000
Total Project Expenditures	\$ 823,502	\$ 825,000	\$ 800,000	\$ 825,000	\$ 875,000	\$ 925,000
Remaining Cash Balance	\$ 893,439	\$ 768,439	\$ 693,439	\$ 618,439	\$ 518,439	\$ 393,439

2024-2028 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects									
Proposed Projects	Project No.	2024	2025	2026	2027	2028	High Priority Projects	Project Cost	
ANNUAL PROGRAMS									
Annual Park Development Program	PRK-00-002	\$ 820,000	\$ 470,000	\$ 495,000	\$ 520,000	\$ 545,000	\$ 3,100,000	\$ 5,950,000	
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	575,000	575,000	575,000	575,000	2,875,000	5,750,000	
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,355,000	1,320,000	1,345,000	1,395,000	1,445,000	8,500,000	15,360,000	
Annual Storm Water Replacement Program	STM-00-001	450,000	450,000	450,000	450,000	500,000	2,800,000	5,100,000	
Annual PCC Street Patching Program	STR-00-001	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	11,250,000	20,125,000	
Annual Asphalt Street Resurfacing Program	STR-00-002	475,000	375,000	375,000	375,000	375,000	1,875,000	3,850,000	
Annual Pavement Preservation Program	STR-00-003	700,000	750,000	800,000	850,000	900,000	5,250,000	9,250,000	
Annual Street Replacement Program	STR-00-004	1,875,000	1,675,000	1,800,000	1,900,000	2,000,000	11,500,000	20,750,000	
Annual Traffic Signal Improvement Program	TRF-00-001	1,604,000	1,025,000	1,185,000	1,490,000	1,490,000	8,200,000	14,994,000	
Annual Water Main Replacement Program	WTM-00-001	825,000	800,000	825,000	875,000	925,000	4,375,000	8,625,000	
BUILDINGS									
Community Entrance Signs	BLD-18-002	50,000	100,000	100,000	-	-	-	250,000	
Fire Station No. 4	BLD-20-002	6,810,000	1,370,000	-	-	-	-	8,180,000	
Public Works Satellite Salt Storage Facility	BLD-21-002	50,000	475,000	-	-	-	-	525,000	
Otter Creek Golf Course Clubhouse Renovations	BLD-24-001	200,000	-	-	-	-	-	200,000	
East of Interstate 35 Land Acquisition	BLD-24-002	330,000	-	-	-	-	-	330,000	
Public Works Maintenance Facility Expansion	BLD-24-003	-	1,000,000	16,250,000	5,895,000	-	-	23,145,000	
City Hall and Public Services Building Expansion	Buildings	-	-	-	-	-	12,325,000	12,325,000	
Fire Station No. 5	Buildings	-	-	-	-	-	9,645,000	9,645,000	
Police Headquarters Remodel	Buildings	-	-	-	-	-	5,656,000	5,656,000	
BRIDGES									
SE Frisk Drive RCB Culvert for Four Mile Creek Tributary	BRG-20-001	-	-	-	55,000	385,000	-	440,000	
NE 18th Street Bridge over Interstate 35	BRG-22-002	-	475,000	400,000	2,250,000	6,525,000	7,200,000	16,850,000	
NE Spectrum Drive RCB Culvert for Otter Creek	BRG-22-004	-	-	140,000	1,250,000	-	-	1,390,000	
NE 62nd Street RCB Culvert for Four Mile Creek Tributary	BRG-23-001	700,000	-	-	-	-	-	700,000	
SE Corporate Woods Drive Railroad Overpass	Bridges	-	-	-	-	-	23,500,000	23,500,000	
OPERATING/CONSTRUCTION EQUIPMENT									
Ladder Truck Replacement	OEC-23-001	-	-	-	-	2,495,000	-	2,495,000	
PARKS									
Hawkeye Park Sports Complex Tennis Courts Reconstruction	PRK-18-003	-	850,000	-	-	-	-	850,000	

2024-2028 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects								
Proposed Projects	Project No.	2024	2025	2026	2027	2028	High Priority Projects	Project Cost
High Trestle Trail Experience Park	PRK-22-005	924,000	-	1,000,000	-	1,000,000	1,766,000	4,690,000
Sunrise Park Parking Lot Overlay	PRK-24-001	-	150,000	-	-	-	-	150,000
Prairie Ridge Sports Complex North Parking Lot Overlay	PRK-24-002	-	-	1,870,000	-	-	-	1,870,000
Mini-Pitch Soccer System	PRK-22-001	-	-	-	-	-	225,000	225,000
Prairie Ridge Sports Complex East Parking Lot Overlay	PRK-24-003	-	-	-	-	-	1,675,000	1,675,000
Prairie Ridge Sports Complex Softball Batting Cage Replacement	PRK-24-004	-	-	-	-	-	285,000	285,000
Rally Complex Field Lighting	PRK-24-006	-	-	-	-	-	350,000	350,000
Chautauqua and Promenade Park Development	Parks	-	-	-	-	-	6,600,000	6,600,000
Heritage Park Redevelopment and Expansion	Parks	-	-	-	-	-	700,000	700,000
SIDEWALKS/TRAILS								
Clover Ridge Trail	SDW-21-002	-	-	-	-	-	175,000	175,000
SW Ankeny Road Sidewalk Improvements	SDW-22-001	-	-	-	-	-	830,000	830,000
Four Mile Creek Trail - NE 47th Street to NE 54th Street	Sidewalks/Trails	-	-	-	-	-	550,000	550,000
Hidden Creek Trail - NW 5th Street to NW 13th Street	Sidewalks/Trails	-	-	-	-	-	890,000	890,000
NE Frisk Drive Sidewalk Connection	Sidewalks/Trails	-	-	-	-	-	725,000	725,000
SE Delaware Avenue Retaining Wall Replacement	Sidewalks/Trails	-	-	-	-	-	700,000	700,000
SANITARY SEWERS								
Otter Creek Trunk Sewer - Phase 4	SNS-12-001	-	1,650,000	-	-	-	-	1,650,000
SE 3rd Street Trunk Sewer Extension	SNS-20-002	791,000	353,000	-	-	-	-	1,144,000
Trestle Ridge Trunk Sewer Cost Share	SNS-22-001	325,000	425,000	-	-	-	-	750,000
Clover Ridge Trunk Sewer Extension	SNS-22-003	-	105,000	846,000	-	-	-	951,000
Polk County Lift Station Decommissioning	SNS-22-004	-	154,000	1,672,000	-	-	-	1,826,000
SW Irvindale Drive Sanitary Sewer Replacement	SNS-23-002	-	-	12,000	118,000	-	-	130,000
Deer Creek Trunk Sewer Extension	SNS-23-003	-	-	-	216,000	2,009,000	-	2,225,000
Fire Station No. 4 Sanitary Sewer	SNS-24-001	730,000	-	-	-	-	-	730,000
Four Mile Creek Trunk Sewer - Phase 2	SNS-24-002	2,275,000	-	-	-	-	-	2,275,000
John Deere Lift Station Replacement	Sanitary Sewers	-	-	-	-	-	1,200,000	1,200,000
Sanitary Sewer Evaluation Survey - Central Basin	Sanitary Sewers	-	-	-	-	-	1,200,000	1,200,000
Saylor Creek Lift Station Study and Updates	Sanitary Sewers	-	-	-	-	-	1,000,000	1,000,000
STORM WATER								
Sawgrass Park Dam Improvements	STM-19-004	90,000	445,000	-	-	-	-	535,000

2024-2028 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects								
Proposed Projects	Project No.	2024	2025	2026	2027	2028	High Priority Projects	Project Cost
Four Mile Creek and Tributary Channel Stabilization - NE 47th Street to NE 54th Street	STM-20-001	130,000	2,160,000	1,265,000	-	-	-	3,555,000
SE 3rd Street Area Trunk Storm Sewer Improvements	STM-20-006	940,000	415,000	-	-	-	-	1,355,000
SE 3rd Street Area Collection Storm Sewer Improvements	STM-21-001	-	190,000	1,420,000	1,330,000	-	-	2,940,000
Diamond Hills Greenway Stream Stabilization	STM-22-002	-	75,000	75,000	1,610,000	-	-	1,760,000
Four Mile Creek Channel Stabilization - Downstream of East 1st Street	STM-22-003	-	-	-	160,000	150,000	1,320,000	1,630,000
Four Mile Creek Channel Stabilization - NE 36th Street to NE 47th Street	STM-22-004	-	-	-	270,000	260,000	2,265,000	2,795,000
Saylor Creek Tributary Channel Improvements	STM-22-005	-	-	190,000	210,000	3,400,000	-	3,800,000
Four Mile Creek Channel Stabilization - Heritage Park	STM-23-001	-	-	-	95,000	90,000	770,000	955,000
NW 17th Street Storm Sewer and Pavement Improvements	STM-24-001	20,000	900,000	-	-	-	-	920,000
SW Des Moines Street Utility Improvements	STM-24-002	235,000	1,515,000	505,000	-	-	-	2,255,000
STREETS								
NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street	STR-14-006	5,850,000	150,000	-	-	-	-	6,000,000
SW Oralabor Road and SW Irvindale Drive Intersection Improvements	STR-16-003	-	200,000	500,000	4,700,000	-	-	5,400,000
NW 36th Street Reconstruction - NW Irvindale Drive to NW Abilene Road	STR-18-003	-	-	200,000	700,000	7,325,000	125,000	8,350,000
NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415	STR-18-004	-	-	-	250,000	800,000	7,950,000	9,000,000
NW 36th Street and NW Weigel Drive Asphalt Overlay	STR-19-004	2,450,000	-	-	-	-	-	2,450,000
SW Oralabor Road and SW Edgewood Lane Intersection Improvements	STR-19-006	250,000	-	-	-	-	-	250,000
SW Oralabor Road and SW State Street Intersection Improvements	STR-20-008	3,425,000	-	-	-	-	-	3,425,000
NW Irvindale Drive and NW 18th Street Intersection Improvements	STR-21-004	375,000	4,025,000	-	-	-	-	4,400,000
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	-	125,000	250,000	375,000	3,725,000	3,725,000	8,200,000
West 1st Street Widening and Improvements - Phase 2	STR-22-003	400,000	875,000	4,250,000	4,475,000	-	-	10,000,000
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	-	100,000	400,000	4,500,000	100,000	-	5,100,000
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	500,000	5,700,000	275,000	-	-	-	6,475,000
NE Delaware Avenue Reconstruction - Four Mile Creek to NE 36th Street	STR-23-002	-	-	-	-	500,000	9,450,000	9,950,000
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	150,000	925,000	2,125,000	3,500,000	5,300,000	-	12,000,000
SW Magazine Road and SW State Street Intersection Improvements	STR-23-006	475,000	-	-	-	-	-	475,000
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	200,000	215,000	4,160,000	-	-	-	4,575,000
NE Chambers Parkway Pavement and Pedestrian Ramp Improvements	STR-24-002	-	150,000	1,050,000	-	-	-	1,200,000
SE Creekview Drive Extension	STR-24-003	2,025,000	-	-	-	-	-	2,025,000
East 1st Street Widening - NE Frisk Drive to NE Four Mile Drive		Streets	-	-	-	-	12,250,000	12,250,000

2024-2028 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects								
Proposed Projects	Project No.	2024	2025	2026	2027	2028	High Priority Projects	Project Cost
NW 36th Street Widening - NW State Street to NW Ash Drive	Streets	-	-	-	-	-	5,125,000	5,125,000
NW State Street Extension - NW 36th Street to NW 54th Street	Streets	-	-	-	-	-	20,150,000	20,150,000
NW State Street Widening and Pavement Rehabilitation - West 1st Street to NW 18th Street	Streets	-	-	-	-	-	5,900,000	5,900,000
SW 4th Street Reconstruction - SW Maple Street to SW Cherry Street	Streets	-	-	-	-	-	800,000	800,000
TRAFFIC								
Fiber Optic Network Upgrade	TRF-23-001	650,000	805,000	500,000	610,000	-	-	2,565,000
SE Corporate Woods Drive and SE Crosswinds Drive Traffic Signal	TRF-23-002	485,000	-	-	-	-	-	485,000
SE Delaware Avenue Capacity Improvements - SE Oralabor Road to SE 16th Court	Traffic	-	-	-	-	-	1,970,000	1,970,000
Traffic Signal Development Agreements	Traffic	-	-	-	-	-	2,250,000	2,250,000
WATER								
Saylorville Feeder Main Purchase Capacity	WTM-17-008	604,000	-	-	-	-	-	604,000
South Ankeny Boulevard Water Main Improvements - SE Peterson Street to SW Ordnance Road	WTM-19-001	-	-	128,000	1,172,000	-	-	1,300,000
SW Walnut Street and SW Ordnance Road Water Main, including Uptown Parking Improvements	WTM-20-002	295,000	2,180,000	-	-	-	-	2,475,000
NE 36th Street and NE 38th Street Water Main Loop	WTM-21-009	2,300,000	-	-	-	-	-	2,300,000
SW Linden Street and SW Sharmin Drive Water Main Improvements	WTM-24-001	-	-	-	-	60,000	565,000	625,000
Northwest Water Tower	WTT-19-002	11,295,000	-	-	-	-	-	11,295,000
SE Magazine Ground Storage Tank Repaint	WTT-20-002	726,000	-	-	-	-	-	726,000
SW Irvindale Elevated Storage Tank Repaint	WTT-23-001	-	-	-	90,000	1,187,000	-	1,277,000
East Water Tower	WTT-24-001	-	400,000	10,400,000	-	-	-	10,800,000
Aquifer Storage and Recovery Well No. 2 Rehabilitation	Water	-	-	-	-	-	1,330,000	1,330,000
NW State Street Water Main Improvements	Water	-	-	-	-	-	1,475,000	1,475,000
SE Corporate Woods Drive Transmission Main	Water	-	-	-	-	-	3,800,000	3,800,000
SW Oralabor Road Transmission Main	Water	-	-	-	-	-	4,950,000	4,950,000
	Year Totals	\$ 57,384,000	\$ 37,772,000	\$ 59,583,000	\$ 44,111,000	\$ 46,016,000	\$ 223,092,000	\$ 467,958,000

Section 2

City of Ankeny, Iowa

Financial Planning for Capital Projects

Projection of Tax Levies & Tax Rate Impact

FY25 Pre-Levy => 5,192,576

Debt Service Levy Impact	
Tax Impact for FY 23-24:	(\$0.05)
Tax Impact for FY 24-25:	\$0.00
Tax Impact for FY 25-26:	\$0.00
Tax Impact for FY 26-27:	\$0.00

Fiscal Year	Utility/						Property Total Resources	Par Proceeds Existing GO Debt	Estimated						Future GO Bonds	Bond Fees	Other Uses	Total Uses	Surplus/ (Deficit)	Ending Cash/Fund Balance
	Total Tax Valuation	Taxes Growth	Taxes Levied	Debt Levy	TIF Abatement	Misc Income			2024 CIP-Taxes	2025 CIP-Taxes	2026 CIP-Taxes	2027 CIP-Taxes	2028 CIP-Taxes	Future GO Bonds						
2018 - 2019	3,531,530,661	13.3%	13,243,241	\$3.7500	7,801,688	118,225	355,273	21,518,427	21,801,317							7,100	(1,115)	21,807,302	(288,875)	1,860,091
2019 - 2020	3,842,245,193	8.8%	13,447,858	\$3.5000	8,617,551	74,261	343,629	22,483,299	22,703,697							7,700	125,359	22,836,756	(353,457)	1,506,634
2020 - 2021	4,177,177,183	8.7%	13,575,825	\$3.2500	9,326,128	131,197	335,718	23,368,868	23,334,941							6,842	(135,238)	23,206,545	162,323	1,668,957
2021 - 2022	4,456,458,887	6.7%	14,260,668	\$3.2000	8,824,235	3,242	342,757	23,430,902	23,356,250							6,400	(98,317)	23,264,334	166,569	1,835,526
2022 - 2023	4,827,690,725	8.3%	14,724,457	\$3.0500	9,158,442	101,093	276,946	24,260,938	24,199,486							6,000		24,205,486	55,452	1,890,978
2023 - 2024	5,049,775,865	4.6%	15,149,328	\$3.0000	9,525,673	44,000	304,464	25,023,465	25,020,307							6,600		25,026,907	(3,442)	1,887,536
2024 - 2025	5,723,685,198	13.3%	17,171,056	\$3.0000	8,282,827	44,000	234,783	25,732,665	20,531,763	5,192,576						6,700		25,731,038	1,627	1,889,163
2025 - 2026	5,999,830,555	4.8%	17,999,492	\$3.0000	7,842,088	44,000	167,379	26,052,958	18,674,019	4,869,400	2,502,576					6,800		26,052,794	164	1,889,327
2026 - 2027	6,011,536,137	0.2%	18,034,608	\$3.0000	7,364,263	44,000	100,053	25,542,924	17,688,781	1,243,125	2,757,350	3,841,840				6,900		25,537,996	4,928	1,894,255
2027 - 2028	6,261,932,503	4.2%	18,785,798	\$3.0000	6,192,394	44,000	100,053	25,122,244	15,926,300	1,243,575	2,025,375	3,415,350	2,503,720			7,000		25,121,320	924	1,895,179
2028 - 2029	6,268,465,514	0.1%	18,805,397	\$3.0000	3,894,544	44,000	100,053	22,843,993	8,944,175	1,241,550	2,022,775	3,539,925	3,267,550	3,821,199		6,000		22,843,174	820	1,895,999
2029 - 2030	6,387,566,359	1.9%	19,162,699	\$3.0000	1,567,344	44,000	100,053	20,874,096	4,391,825	1,242,050	2,021,325	1,164,375	3,436,425	3,915,350	4,674,161	6,000		20,851,511	22,585	1,918,584

Debt Limit Projection

Based on Constitutional Limit:
5% of Assessed Valuation

Outstanding Debt		
Issue Date	Maturity Date	Outstanding Debt
12/22/14	06/01/28	\$ 9,790,000
05/28/15	06/01/25	1,570,000
05/28/15	06/01/24	280,000
03/31/16	06/01/28	2,645,000
05/25/16	06/01/26	2,710,000
05/31/17	06/01/27	3,740,000
05/30/18	06/01/28	8,070,000
05/28/19	06/01/29	11,720,000
06/09/20	06/01/30	8,165,000
06/09/21	06/01/31	15,245,000
05/25/22	06/01/37	26,725,000
06/21/23	06/01/33	13,790,000
Rebate & Lease Agreements		7,401,092
Total Outstanding Debt		\$ 111,851,092

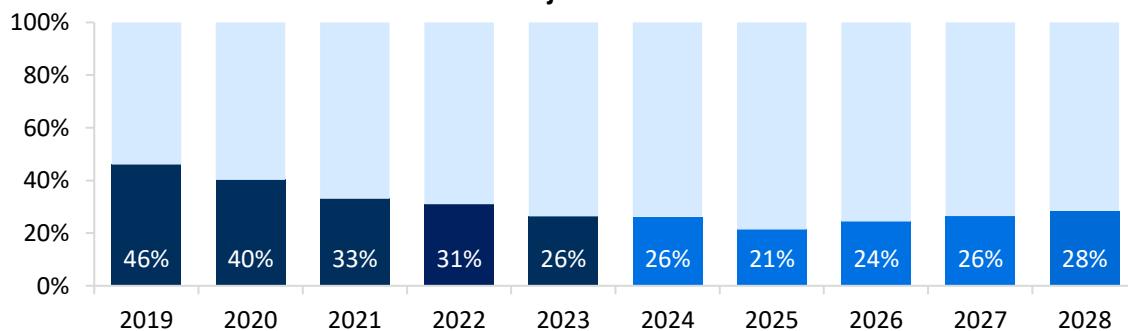
Projected Debt

Bond Year	Debt Addition	Debt Reduction	Change in Rebates	Net Change	Projected Outstanding Debt
2024	\$ 17,635,000	\$ 20,450,000	\$ -	\$ (2,815,000)	\$ 109,036,092
2025	21,410,000	16,850,000	(384,715)	4,175,285	113,211,377
2026	37,140,000	15,775,000	(1,678,719)	19,686,281	132,897,659
2027	31,785,000	15,485,000	(1,873,820)	14,426,180	147,323,839
2028	30,455,000	14,395,000	(880,301)	15,179,699	162,503,538

Calculation of Legal Debt Limit

FY	Assessed Value	Debt Limit Value (5%)	Projected Outstanding Debt	Unused Debt Limit	% of Debt Limit Used
2024	8,329,098,390	\$ 416,454,920	\$ 109,036,092	\$ 307,418,827	26%
2025	10,605,039,333	530,251,967	113,211,377	417,040,589	21%
2026	10,873,164,527	543,658,226	132,897,659	410,760,568	24%
2027	11,149,333,477	557,466,674	147,323,839	410,142,835	26%
2028	11,433,787,495	571,689,375	162,503,538	409,185,836	28%

Historical and Projected Use of Debt Limit



Section 3

City of Ankeny, Iowa
2024 - 2028 Capital Improvement Program
 2024 thru 2028

CATEGORY SUMMARY

Category	2024	2025	2026	2027	2028	Total
Bridge/Box Culvert	700,000	475,000	540,000	3,555,000	6,910,000	12,180,000
Municipal Buildings	7,440,000	2,945,000	16,350,000	5,895,000		32,630,000
Operating/Construction Equipment					2,495,000	2,495,000
Park Facilities	1,744,000	1,470,000	3,365,000	520,000	1,545,000	8,644,000
Sanitary Sewers	5,476,000	4,007,000	3,875,000	1,729,000	3,454,000	18,541,000
Sidewalks/Trails	575,000	575,000	575,000	575,000	575,000	2,875,000
Storm Water	1,865,000	6,150,000	3,905,000	4,125,000	4,400,000	20,445,000
Streets and Alleys	20,800,000	16,940,000	17,935,000	23,475,000	22,975,000	102,125,000
Traffic Control	2,739,000	1,830,000	1,685,000	2,100,000	1,490,000	9,844,000
Water Mains	4,024,000	2,980,000	953,000	2,047,000	985,000	10,989,000
Water Towers/Storage	12,021,000	400,000	10,400,000	90,000	1,187,000	24,098,000
TOTAL	57,384,000	37,772,000	59,583,000	44,111,000	46,016,000	244,866,000

City of Ankeny, Iowa
2024 - 2028 Capital Improvement Program
2024 thru 2028

PROJECTS BY CATEGORY

Category	Project #	2024	2025	2026	2027	2028	Total
Bridge/Box Culvert							
SE Frisk Drive RCB Culvert for Four Mile Creek	BRG-20-001			55,000	385,000	440,000	
NE 18th Street Bridge over Interstate 35	BRG-22-002	475,000	400,000	2,250,000	6,525,000	9,650,000	
NE Spectrum Drive RCB Culvert for Otter Creek	BRG-22-004		140,000	1,250,000		1,390,000	
NE 62nd Street RCB Culvert for Four Mile Tributary	BRG-23-001	700,000				700,000	
Bridge/Box Culvert Total		700,000	475,000	540,000	3,555,000	6,910,000	12,180,000
Municipal Buildings							
Community Entrance Signs	BLD-18-002	50,000	100,000	100,000		250,000	
Fire Station No. 4	BLD-20-002	6,810,000	1,370,000			8,180,000	
Public Works Satellite Salt Storage Facility	BLD-21-002	50,000	475,000			525,000	
Otter Creek Golf Course Clubhouse Renovations	BLD-24-001	200,000				200,000	
East of Interstate 35 Land Acquisition	BLD-24-002	330,000				330,000	
Public Works Maintenance Facility Expansion	BLD-24-003		1,000,000	16,250,000	5,895,000		23,145,000
Municipal Buildings Total		7,440,000	2,945,000	16,350,000	5,895,000		32,630,000
Operating/Construction Equipment							
Ladder Truck Replacement	OEC 23-001					2,495,000	2,495,000
Operating/Construction Equipment Total						2,495,000	2,495,000
Park Facilities							
Annual Park Development Program	PRK-00-002	820,000	470,000	495,000	520,000	545,000	2,850,000
Hawkeye Park Tennis Courts Reconstruction	PRK-18-003		850,000				850,000
High Trestle Trail Experience Park	PRK-22-005	924,000		1,000,000		1,000,000	2,924,000
Sunrise Park Parking Lot Overlay	PRK-24-001		150,000				150,000
Prairie Ridge Sports Complex N Parking Lot Overlay	PRK-24-002			1,870,000			1,870,000
Park Facilities Total		1,744,000	1,470,000	3,365,000	520,000	1,545,000	8,644,000
Sanitary Sewers							
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,355,000	1,320,000	1,345,000	1,395,000	1,445,000	6,860,000
Otter Creek Trunk Sewer-Phase 4	SNS-12-001		1,650,000				1,650,000
SE 3rd Street Trunk Sewer Extension	SNS-20-002	791,000	353,000				1,144,000
Trestle Ridge Trunk Sewer Cost Share	SNS-22-001	325,000	425,000				750,000
Clover Ridge Trunk Sewer Extension	SNS-22-003		105,000	846,000			951,000
Polk County Lift Station Decommissioning	SNS-22-004		154,000	1,672,000			1,826,000
SW Irvinendale Drive Sanitary Sewer Replacement	SNS-23-002			12,000	118,000		130,000
Deer Creek Trunk Sewer Extension	SNS-23-003				216,000	2,009,000	2,225,000
Fire Station No. 4 Sanitary Sewer	SNS-24-001	730,000					730,000
Four Mile Creek Trunk Sewer - Phase 2	SNS-24-002	2,275,000					2,275,000
Sanitary Sewers Total		5,476,000	4,007,000	3,875,000	1,729,000	3,454,000	18,541,000

Category	Project #	2024	2025	2026	2027	2028	Total
Sidewalks/Trails							
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	575,000	575,000	575,000	575,000	2,875,000
	Sidewalks/Trails Total	575,000	575,000	575,000	575,000	575,000	2,875,000
Storm Water							
Annual Storm Water Replacement Program	STM-00-001	450,000	450,000	450,000	450,000	500,000	2,300,000
Sawgrass Park Dam Improvements	STM-19-004	90,000	445,000				535,000
Four Mile Creek and Tributary Stabilization	STM-20-001	130,000	2,160,000	1,265,000			3,555,000
SE 3rd Street Area Trunk Storm Sewer Improvements	STM-20-006	940,000	415,000				1,355,000
SE 3rd St Area Collection Storm Sewer Improvements	STM-21-001		190,000	1,420,000	1,330,000		2,940,000
Diamond Hills Greenway Stream Stabilization	STM-22-002		75,000	75,000	1,610,000		1,760,000
Four Mile Creek Channel Stabilization-East 1st St	STM-22-003				160,000	150,000	310,000
Four Mile Creek Channel Stabilization-NE 36th St	STM-22-004				270,000	260,000	530,000
Saylor Creek Tributary Channel Improvements	STM-22-005			190,000	210,000	3,400,000	3,800,000
Four Mile Channel Stabilization-Heritage Park	STM-23-001				95,000	90,000	185,000
NW 17th St Storm Sewer and Pavement Improvements	STM-24-001	20,000	900,000				920,000
SW Des Moines Street Utility Improvements	STM-24-002	235,000	1,515,000	505,000			2,255,000
	Storm Water Total	1,865,000	6,150,000	3,905,000	4,125,000	4,400,000	20,445,000
Streets and Alleys							
Annual PCC Street Patching Program	STR-00-001	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	8,875,000
Annual Asphalt Street Resurfacing Program	STR-00-002	475,000	375,000	375,000	375,000	375,000	1,975,000
Annual Pavement Preservation Program	STR-00-003	700,000	750,000	800,000	850,000	900,000	4,000,000
Annual Street Replacement Program	STR-00-004	1,875,000	1,675,000	1,800,000	1,900,000	2,000,000	9,250,000
NE Delaware Avenue Reconstruction-5th to 18th	STR-14-006	5,850,000	150,000				6,000,000
SW Oralabor Rd and SW Irvinendale Dr Intersection	STR-16-003		200,000	500,000	4,700,000		5,400,000
NW 36th St Reconstruction-Irvinendale to Abilene	STR-18-003			200,000	700,000	7,325,000	8,225,000
NW 18th Street Extension-Spruce to Highway 415	STR-18-004				250,000	800,000	1,050,000
NW 36th St and NW Weigel Dr Asphalt Overlay	STR-19-004	2,450,000					2,450,000
SW Oralabor Rd and SW Edgewood Ln Intersection	STR-19-006	250,000					250,000
SW Oralabor Rd and SW State St Intersection	STR-20-008	3,425,000					3,425,000
NW Irvinendale Dr and NW 18th St Intersection	STR-21-004	375,000	4,025,000				4,400,000
South Ankeny Blvd and SE Oralabor Rd Safety Impr	STR-21-005		125,000	250,000	375,000	3,725,000	4,475,000
West 1st Street Widening and Improvements-Phase 2	STR-22-003	400,000	875,000	4,250,000	4,475,000		10,000,000
NW 18th St Reconstruction-NW State St to NW Ash Dr	STR-22-004		100,000	400,000	4,500,000	100,000	5,100,000
N Ankeny Boulevard Improvements-1st St to 11th St	STR-23-001	500,000	5,700,000	275,000			6,475,000
NE Delaware Reconstruction-Four Mile to NE 36th	STR-23-002				500,000		500,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	STR-23-005	150,000	925,000	2,125,000	3,500,000	5,300,000	12,000,000
SW Magazine & State St Intersection Improvements	STR-23-006	475,000					475,000
NW Prairie Ridge Dr/9th St & Ash Dr Intersection	STR-24-001	200,000	215,000	4,160,000			4,575,000
NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv	STR-24-002		150,000	1,050,000			1,200,000
SE Creekview Drive Extension	STR-24-003		2,025,000				2,025,000
	Streets and Alleys Total	20,800,000	16,940,000	17,935,000	23,475,000	22,975,000	102,125,000
Traffic Control							
Annual Traffic Signal Improvement Program	TRF-00-001	1,604,000	1,025,000	1,185,000	1,490,000	1,490,000	6,794,000
Fiber Optic Network Upgrade	TRF-23-001	650,000	805,000	500,000	610,000		2,565,000
SE Corporate Woods and Crosswinds Traffic Signal	TRF-23-002	485,000					485,000
	Traffic Control Total	2,739,000	1,830,000	1,685,000	2,100,000	1,490,000	9,844,000
Water Mains							
Annual Water Main Replacement Program	WTM-00-001	825,000	800,000	825,000	875,000	925,000	4,250,000
Saylorville Feeder Main Purchase Capacity	WTM-17-008	604,000					604,000

Category	Project #	2024	2025	2026	2027	2028	Total
South Ankeny Boulevard Water Main Improvements	WTM-19-001			128,000	1,172,000		1,300,000
SW Walnut Street and SW Ordnance Road Water Main	WTM-20-002	295,000	2,180,000				2,475,000
NE 36th St and NE 38th St Water Main Loop	WTM-21-009	2,300,000					2,300,000
SW Linden and SW Sharmin Water Main Improvements	WTM-24-001				60,000		60,000
Water Mains Total		4,024,000	2,980,000	953,000	2,047,000	985,000	10,989,000
Water Towers/Storage							
Northwest Water Tower	WTT-19-002	11,295,000					11,295,000
SE Magazine Ground Storage Tank Repaint	WTT-20-002	726,000					726,000
SW Irwindale Elevated Storage Tank Repaint	WTT-23-001			90,000	1,187,000		1,277,000
East Water Tower	WTT-24-001	400,000	10,400,000				10,800,000
Water Towers/Storage Total		12,021,000	400,000	10,400,000	90,000	1,187,000	24,098,000
GRAND TOTAL		57,384,000	37,772,000	59,583,000	44,111,000	46,016,000	244,866,000

City of Ankeny, Iowa
2024 - 2028 Capital Improvement Program
2024 thru 2028

PROJECTS BY YEAR

Project Name	Department	Project #	Project Cost
2024			
Community Entrance Signs	Administration	BLD-18-002	50,000
Fire Station No. 4	Administration	BLD-20-002	6,810,000
Public Works Satellite Salt Storage Facility	Public Works	BLD-21-002	50,000
Otter Creek Golf Course Clubhouse Renovations	Parks and Recreation	BLD-24-001	200,000
East of Interstate 35 Land Acquisition	Administration	BLD-24-002	330,000
NE 62nd Street RCB Culvert for Four Mile Tributary	Public Works	BRG-23-001	700,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	820,000
High Trestle Trail Experience Park	Parks and Recreation	PRK-22-005	924,000
Annual Sidewalk/Trail Construction Program	Public Works	SDW-00-001	575,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	1,355,000
SE 3rd Street Trunk Sewer Extension	Sewer Utility	SNS-20-002	791,000
Trestle Ridge Trunk Sewer Cost Share	Sewer Utility	SNS-22-001	325,000
Fire Station No. 4 Sanitary Sewer	Sewer Utility	SNS-24-001	730,000
Four Mile Creek Trunk Sewer - Phase 2	Sewer Utility	SNS-24-002	2,275,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	450,000
Sawgrass Park Dam Improvements	Storm Water Utility	STM-19-004	90,000
Four Mile Creek and Tributary Stabilization	Storm Water Utility	STM-20-001	130,000
SE 3rd Street Area Trunk Storm Sewer Improvements	Storm Water Utility	STM-20-006	940,000
NW 17th St Storm Sewer and Pavement Improvements	Storm Water Utility	STM-24-001	20,000
SW Des Moines Street Utility Improvements	Storm Water Utility	STM-24-002	235,000
Annual PCC Street Patching Program	Public Works	STR-00-001	1,650,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	475,000
Annual Pavement Preservation Program	Public Works	STR-00-003	700,000
Annual Street Replacement Program	Public Works	STR-00-004	1,875,000
NE Delaware Avenue Reconstruction-5th to 18th	Public Works	STR-14-006	5,850,000
NW 36th St and NW Weigel Dr Asphalt Overlay	Public Works	STR-19-004	2,450,000
SW Oralabor Rd and SW Edgewood Ln Intersection	Public Works	STR-19-006	250,000
SW Oralabor Rd and SW State St Intersection	Public Works	STR-20-008	3,425,000
NW Irvinendale Dr and NW 18th St Intersection	Public Works	STR-21-004	375,000
West 1st Street Widening and Improvements-Phase 2	Public Works	STR-22-003	400,000
N Ankeny Boulevard Improvements-1st St to 11th St	Public Works	STR-23-001	500,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	Public Works	STR-23-005	150,000
SW Magazine & State St Intersection Improvements	Public Works	STR-23-006	475,000
NW Prairie Ridge Dr/9th St & Ash Dr Intersection	Public Works	STR-24-001	200,000
SE Creekview Drive Extension	Public Works	STR-24-003	2,025,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	1,604,000
Fiber Optic Network Upgrade	Public Works	TRF-23-001	650,000
SE Corporate Woods and Crosswinds Traffic Signal	Public Works	TRF-23-002	485,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	825,000
Saylorville Feeder Main Purchase Capacity	Water Utility	WTM-17-008	604,000
SW Walnut Street and SW Ordnance Road Water Main	Water Utility	WTM-20-002	295,000
NE 36th St and NE 38th St Water Main Loop	Water Utility	WTM-21-009	2,300,000
Northwest Water Tower	Water Utility	WTT-19-002	11,295,000
SE Magazine Ground Storage Tank Repaint	Water Utility	WTT-20-002	726,000

Project Name	Department	Project #	Project Cost
	Total for 2024		57,384,000
2025			
Community Entrance Signs	Administration	BLD-18-002	100,000
Fire Station No. 4	Administration	BLD-20-002	1,370,000
Public Works Satellite Salt Storage Facility	Public Works	BLD-21-002	475,000
Public Works Maintenance Facility Expansion	Public Works	BLD-24-003	1,000,000
NE 18th Street Bridge over Interstate 35	Public Works	BRG-22-002	475,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	470,000
Hawkeye Park Tennis Courts Reconstruction	Parks and Recreation	PRK-18-003	850,000
Sunrise Park Parking Lot Overlay	Parks and Recreation	PRK-24-001	150,000
Annual Sidewalk/Trail Construction Program	Public Works	SDW-00-001	575,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	1,320,000
Otter Creek Trunk Sewer-Phase 4	Sewer Utility	SNS-12-001	1,650,000
SE 3rd Street Trunk Sewer Extension	Sewer Utility	SNS-20-002	353,000
Trestle Ridge Trunk Sewer Cost Share	Sewer Utility	SNS-22-001	425,000
Clover Ridge Trunk Sewer Extension	Sewer Utility	SNS-22-003	105,000
Polk County Lift Station Decommissioning	Sewer Utility	SNS-22-004	154,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	450,000
Sawgrass Park Dam Improvements	Storm Water Utility	STM-19-004	445,000
Four Mile Creek and Tributary Stabilization	Storm Water Utility	STM-20-001	2,160,000
SE 3rd Street Area Trunk Storm Sewer Improvements	Storm Water Utility	STM-20-006	415,000
SE 3rd St Area Collection Storm Sewer Improvements	Storm Water Utility	STM-21-001	190,000
Diamond Hills Greenway Stream Stabilization	Storm Water Utility	STM-22-002	75,000
NW 17th St Storm Sewer and Pavement Improvements	Storm Water Utility	STM-24-001	900,000
SW Des Moines Street Utility Improvements	Storm Water Utility	STM-24-002	1,515,000
Annual PCC Street Patching Program	Public Works	STR-00-001	1,675,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	375,000
Annual Pavement Preservation Program	Public Works	STR-00-003	750,000
Annual Street Replacement Program	Public Works	STR-00-004	1,675,000
NE Delaware Avenue Reconstruction-5th to 18th	Public Works	STR-14-006	150,000
SW Oralabor Rd and SW Irvinedale Dr Intersection	Public Works	STR-16-003	200,000
NW Irvinedale Dr and NW 18th St Intersection	Public Works	STR-21-004	4,025,000
South Ankeny Blvd and SE Oralabor Rd Safety Impr	Public Works	STR-21-005	125,000
West 1st Street Widening and Improvements-Phase 2	Public Works	STR-22-003	875,000
NW 18th St Reconstruction-NW State St to NW Ash Dr	Public Works	STR-22-004	100,000
N Ankeny Boulevard Improvements-1st St to 11th St	Public Works	STR-23-001	5,700,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	Public Works	STR-23-005	925,000
NW Prairie Ridge Dr/9th St & Ash Dr Intersection	Public Works	STR-24-001	215,000
NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv	Public Works	STR-24-002	150,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	1,025,000
Fiber Optic Network Upgrade	Public Works	TRF-23-001	805,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	800,000
SW Walnut Street and SW Ordnance Road Water Main	Water Utility	WTM-20-002	2,180,000
East Water Tower	Water Utility	WTT-24-001	400,000
	Total for 2025		37,772,000
2026			
Community Entrance Signs	Administration	BLD-18-002	100,000
Public Works Maintenance Facility Expansion	Public Works	BLD-24-003	16,250,000
NE 18th Street Bridge over Interstate 35	Public Works	BRG-22-002	400,000
NE Spectrum Drive RCB Culvert for Otter Creek	Public Works	BRG-22-004	140,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	495,000
High Trestle Trail Experience Park	Parks and Recreation	PRK-22-005	1,000,000
Prairie Ridge Sports Complex N Parking Lot Overlay	Parks and Recreation	PRK-24-002	1,870,000

Project Name	Department	Project #	Project Cost
Annual Sidewalk/Trail Construction Program	Public Works	SDW-00-001	575,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	1,345,000
Clover Ridge Trunk Sewer Extension	Sewer Utility	SNS-22-003	846,000
Polk County Lift Station Decommissioning	Sewer Utility	SNS-22-004	1,672,000
SW Irvineland Drive Sanitary Sewer Replacement	Sewer Utility	SNS-23-002	12,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	450,000
Four Mile Creek and Tributary Stabilization	Storm Water Utility	STM-20-001	1,265,000
SE 3rd St Area Collection Storm Sewer Improvements	Storm Water Utility	STM-21-001	1,420,000
Diamond Hills Greenway Stream Stabilization	Storm Water Utility	STM-22-002	75,000
Saylor Creek Tributary Channel Improvements	Storm Water Utility	STM-22-005	190,000
SW Des Moines Street Utility Improvements	Storm Water Utility	STM-24-002	505,000
Annual PCC Street Patching Program	Public Works	STR-00-001	1,750,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	375,000
Annual Pavement Preservation Program	Public Works	STR-00-003	800,000
Annual Street Replacement Program	Public Works	STR-00-004	1,800,000
SW Oralabor Rd and SW Irvineland Dr Intersection	Public Works	STR-16-003	500,000
NW 36th St Reconstruction-Irvineland to Abilene	Public Works	STR-18-003	200,000
South Ankeny Blvd and SE Oralabor Rd Safety Impr	Public Works	STR-21-005	250,000
West 1st Street Widening and Improvements-Phase 2	Public Works	STR-22-003	4,250,000
NW 18th St Reconstruction-NW State St to NW Ash Dr	Public Works	STR-22-004	400,000
N Ankeny Boulevard Improvements-1st St to 11th St	Public Works	STR-23-001	275,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	Public Works	STR-23-005	2,125,000
NW Prairie Ridge Dr/9th St & Ash Dr Intersection	Public Works	STR-24-001	4,160,000
NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv	Public Works	STR-24-002	1,050,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	1,185,000
Fiber Optic Network Upgrade	Public Works	TRF-23-001	500,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	825,000
South Ankeny Boulevard Water Main Improvements	Water Utility	WTM-19-001	128,000
East Water Tower	Water Utility	WTT-24-001	10,400,000
Total for 2026			59,583,000

2027

Public Works Maintenance Facility Expansion	Public Works	BLD-24-003	5,895,000
SE Frisk Drive RCB Culvert for Four Mile Creek	Public Works	BRG-20-001	55,000
NE 18th Street Bridge over Interstate 35	Public Works	BRG-22-002	2,250,000
NE Spectrum Drive RCB Culvert for Otter Creek	Public Works	BRG-22-004	1,250,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	520,000
Annual Sidewalk/Trail Construction Program	Public Works	SDW-00-001	575,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	1,395,000
SW Irvineland Drive Sanitary Sewer Replacement	Sewer Utility	SNS-23-002	118,000
Deer Creek Trunk Sewer Extension	Sewer Utility	SNS-23-003	216,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	450,000
SE 3rd St Area Collection Storm Sewer Improvements	Storm Water Utility	STM-21-001	1,330,000
Diamond Hills Greenway Stream Stabilization	Storm Water Utility	STM-22-002	1,610,000
Four Mile Creek Channel Stabilization-East 1st St	Storm Water Utility	STM-22-003	160,000
Four Mile Creek Channel Stabilization-NE 36th St	Storm Water Utility	STM-22-004	270,000
Saylor Creek Tributary Channel Improvements	Storm Water Utility	STM-22-005	210,000
Four Mile Channel Stabilization-Heritage Park	Storm Water Utility	STM-23-001	95,000
Annual PCC Street Patching Program	Public Works	STR-00-001	1,850,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	375,000
Annual Pavement Preservation Program	Public Works	STR-00-003	850,000
Annual Street Replacement Program	Public Works	STR-00-004	1,900,000
SW Oralabor Rd and SW Irvineland Dr Intersection	Public Works	STR-16-003	4,700,000
NW 36th St Reconstruction-Irvineland to Abilene	Public Works	STR-18-003	700,000
NW 18th Street Extension-Spruce to Highway 415	Public Works	STR-18-004	250,000

Project Name	Department	Project #	Project Cost
South Ankeny Blvd and SE Oralabor Rd Safety Impr	Public Works	STR-21-005	375,000
West 1st Street Widening and Improvements-Phase 2	Public Works	STR-22-003	4,475,000
NW 18th St Reconstruction-NW State St to NW Ash Dr	Public Works	STR-22-004	4,500,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	Public Works	STR-23-005	3,500,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	1,490,000
Fiber Optic Network Upgrade	Public Works	TRF-23-001	610,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	875,000
South Ankeny Boulevard Water Main Improvements	Water Utility	WTM-19-001	1,172,000
SW Irvineland Elevated Storage Tank Repaint	Water Utility	WTT-23-001	90,000
Total for 2027			44,111,000

2028

SE Frisk Drive RCB Culvert for Four Mile Creek	Public Works	BRG-20-001	385,000
NE 18th Street Bridge over Interstate 35	Public Works	BRG-22-002	6,525,000
Ladder Truck Replacement	Fire	OEC 23-001	2,495,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	545,000
High Trestle Trail Experience Park	Parks and Recreation	PRK-22-005	1,000,000
Annual Sidewalk/Trail Construction Program	Public Works	SDW-00-001	575,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	1,445,000
Deer Creek Trunk Sewer Extension	Sewer Utility	SNS-23-003	2,009,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	500,000
Four Mile Creek Channel Stabilization-East 1st St	Storm Water Utility	STM-22-003	150,000
Four Mile Creek Channel Stabilization-NE 36th St	Storm Water Utility	STM-22-004	260,000
Saylor Creek Tributary Channel Improvements	Storm Water Utility	STM-22-005	3,400,000
Four Mile Channel Stabilization-Heritage Park	Storm Water Utility	STM-23-001	90,000
Annual PCC Street Patching Program	Public Works	STR-00-001	1,950,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	375,000
Annual Pavement Preservation Program	Public Works	STR-00-003	900,000
Annual Street Replacement Program	Public Works	STR-00-004	2,000,000
NW 36th St Reconstruction-Irvineland to Abilene	Public Works	STR-18-003	7,325,000
NW 18th Street Extension-Spruce to Highway 415	Public Works	STR-18-004	800,000
South Ankeny Blvd and SE Oralabor Rd Safety Impr	Public Works	STR-21-005	3,725,000
NW 18th St Reconstruction-NW State St to NW Ash Dr	Public Works	STR-22-004	100,000
NE Delaware Reconstruction-Four Mile to NE 36th	Public Works	STR-23-002	500,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	Public Works	STR-23-005	5,300,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	1,490,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	925,000
SW Linden and SW Sharmin Water Main Improvements	Water Utility	WTM-24-001	60,000
SW Irvineland Elevated Storage Tank Repaint	Water Utility	WTT-23-001	1,187,000
Total for 2028			46,016,000

GRAND TOTAL

244,866,000

City of Ankeny, Iowa
2024 - 2028 Capital Improvement Program
 2024 thru 2028

FUNDING SOURCE SUMMARY

Source	2024	2025	2026	2027	2028	Total
Capital Project Fund	4,832,752	860,000	720,000	1,714,000	170,000	8,296,752
Capital Reserve Fund	6,765,000	1,370,000				8,135,000
County Contributions	150,000	50,000				200,000
FHWA/IDOT Grants	1,712,500	3,950,000	300,000	4,100,000	5,300,000	15,362,500
G.O. Bonds	16,150,600	16,162,000	15,185,000	15,835,000	24,515,000	87,847,600
G.O. Bonds - RUT Abated		506,499	8,230,602	2,985,809		11,722,910
G.O. Bonds - Sewer Abated		324,974	5,280,831	1,915,723		7,521,528
G.O. Bonds - Storm Water Abated	846,733	2,648,000	2,049,633	3,055,000	3,285,000	11,884,366
G.O. Bonds - TIF Abated	400,000	1,320,000	3,216,750	6,607,750	2,285,000	13,829,500
G.O. Bonds - Water Abated		168,527	2,738,567	993,468		3,900,562
Hotel/Motel Tax Fund	295,000	100,000	600,000		500,000	1,495,000
MPO/STBG Grants	1,973,748		1,423,250	1,423,250	2,440,000	7,260,248
Other Grants		1,120,000	1,168,700	220,000	715,000	3,223,700
Otter Creek Golf Course Fund	200,000					200,000
Park Dedication Fund	100,000	100,000	100,000	100,000	100,000	500,000
Private Contributions	1,270,000					1,270,000
Road Use Tax Fund	1,449,000	785,000	350,000	350,000	350,000	3,284,000
Sewer Fund	4,374,334	4,017,000	4,810,834	1,634,000	3,409,000	18,245,168
Special Assessments			200,000	290,000		490,000
Storm Water Fund	800,000	800,000	850,000	850,000	900,000	4,200,000
Water Fund	844,333	1,230,000	1,830,833	865,000	800,000	5,570,166
Water Revenue Bonds	15,220,000	2,260,000	10,528,000	1,172,000	1,247,000	30,427,000
GRAND TOTAL	57,384,000	37,772,000	59,583,000	44,111,000	46,016,000	244,866,000

City of Ankeny, Iowa
2024 - 2028 Capital Improvement Program
 2024 thru 2028

PROJECTS BY FUNDING SOURCE

Source	Project #	2024	2025	2026	2027	2028	Total
Capital Project Fund							
Community Entrance Signs	BLD-18-002	48,000					48,000
Public Works Satellite Salt Storage Facility	BLD-21-002	50,000	40,000				90,000
High Trestle Trail Experience Park	PRK-22-005	631,000					631,000
Annual Sanitary Sewer Replacement Program	SNS-00-001	355,000	220,000	145,000	95,000	45,000	860,000
Trestle Ridge Trunk Sewer Cost Share	SNS-22-001	325,000	275,000				600,000
Four Mile Creek Trunk Sewer - Phase 2	SNS-24-002	500,000					500,000
Annual Storm Water Replacement Program	STM-00-001	50,000	50,000				100,000
Annual Asphalt Street Resurfacing Program	STR-00-002	100,000					100,000
SW Oralabor Rd and SW Irwindale Dr Intersection	STR-16-003		200,000	500,000	1,519,000		2,219,000
SW Oralabor Rd and SW Edgewood Ln Intersection	STR-19-006	50,000					50,000
SW Oralabor Rd and SW State St Intersection	STR-20-008	2,598,752					2,598,752
Annual Water Main Replacement Program	WTM-00-001	125,000	75,000	75,000	100,000	125,000	500,000
Capital Project Fund Total		4,832,752	860,000	720,000	1,714,000	170,000	8,296,752
Capital Reserve Fund							
Fire Station No. 4	BLD-20-002	6,600,000	1,370,000				7,970,000
East of Interstate 35 Land Acquisition	BLD-24-002	165,000					165,000
Capital Reserve Fund Total		6,765,000	1,370,000				8,135,000
County Contributions							
NW 36th St and NW Weigel Dr Asphalt Overlay	STR-19-004	150,000					150,000
Annual Traffic Signal Improvement Program	TRF-00-001		50,000				50,000
County Contributions Total		150,000	50,000				200,000
FHWA/IDOT Grants							
NE Delaware Avenue Reconstruction-5th to 18th	STR-14-006	250,000					250,000
SW Oralabor Rd and SW Irwindale Dr Intersection	STR-16-003			1,250,000			1,250,000
SW Oralabor Rd and SW Edgewood Ln Intersection	STR-19-006	150,000					150,000
SW Oralabor Rd and SW State St Intersection	STR-20-008	352,500					352,500
South Ankeny Blvd and SE Oralabor Rd Safety Impr	STR-21-005				1,000,000		1,000,000
N Ankeny Boulevard Improvements-1st St to 11th St	STR-23-001	35,000	3,750,000				3,785,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	STR-23-005		200,000	300,000	2,850,000	4,300,000	7,650,000
SE Creekview Drive Extension	STR-24-003	925,000					925,000
FHWA/IDOT Grants Total		1,712,500	3,950,000	300,000	4,100,000	5,300,000	15,362,500
G.O. Bonds							
Fire Station No. 4	BLD-20-002	210,000					210,000
SE Frisk Drive RCB Culvert for Four Mile Creek	BRG-20-001			55,000	385,000		440,000
NE 18th Street Bridge over Interstate 35	BRG-22-002	475,000	400,000	2,250,000	4,525,000		7,650,000

Source	Project #	2024	2025	2026	2027	2028	Total
NE 62nd Street RCB Culvert for Four Mile Tributary	BRG-23-001	700,000					700,000
Ladder Truck Replacement	OEC 23-001					2,495,000	2,495,000
Annual Park Development Program	PRK-00-002	720,000	370,000	395,000	420,000	445,000	2,350,000
Hawkeye Park Tennis Courts Reconstruction	PRK-18-003		850,000				850,000
Sunrise Park Parking Lot Overlay	PRK-24-001		150,000				150,000
Prairie Ridge Sports Complex N Parking Lot Overlay	PRK-24-002			1,870,000			1,870,000
Annual Sidewalk/Trail Construction Program	SDW-00-001	225,000	225,000	225,000	225,000	225,000	1,125,000
NW 17th St Storm Sewer and Pavement Improvements	STM-24-001	11,600	522,000				533,600
Annual PCC Street Patching Program	STR-00-001	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	8,875,000
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000	375,000	375,000	375,000	1,875,000
Annual Pavement Preservation Program	STR-00-003	700,000	750,000	800,000	850,000	900,000	4,000,000
Annual Street Replacement Program	STR-00-004	875,000	1,675,000	1,800,000	1,900,000	2,000,000	8,250,000
NE Delaware Avenue Reconstruction-5th to 18th	STR-14-006	4,100,000	150,000				4,250,000
NW 36th St Reconstruction-Irvinedale to Abilene	STR-18-003				410,000	7,325,000	7,735,000
NW 18th Street Extension-Spruce to Highway 415	STR-18-004				250,000	800,000	1,050,000
NW 36th St and NW Weigel Dr Asphalt Overlay	STR-19-004	2,300,000					2,300,000
SW Oralabor Rd and SW Edgewood Ln Intersection	STR-19-006	50,000					50,000
NW Irvinedale Dr and NW 18th St Intersection	STR-21-004	375,000	4,025,000				4,400,000
NW 18th St Reconstruction-NW State St to NW Ash Dr	STR-22-004		100,000	400,000	4,500,000	100,000	5,100,000
N Ankeny Boulevard Improvements-1st St to 11th St	STR-23-001	465,000	1,950,000	275,000			2,690,000
NE Delaware Reconstruction-Four Mile to NE 36th	STR-23-002					500,000	500,000
S Ankeny Blvd Improvements-SE Peterson to 1st St	STR-23-005	150,000	725,000		650,000	1,000,000	2,525,000
SW Magazine & State St Intersection Improvements	STR-23-006	475,000					475,000
NW Prairie Ridge Dr/9th St & Ash Dr Intersection	STR-24-001	200,000	215,000	4,160,000			4,575,000
NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv	STR-24-002		150,000	1,050,000			1,200,000
Annual Traffic Signal Improvement Program	TRF-00-001	1,514,000	975,000	1,185,000	1,490,000	1,490,000	6,654,000
Fiber Optic Network Upgrade	TRF-23-001	650,000	805,000	500,000	610,000		2,565,000
SE Corporate Woods and Crosswinds Traffic Signal	TRF-23-002		405,000				405,000
G.O. Bonds Total		16,150,600	16,162,000	15,185,000	15,835,000	24,515,000	87,847,600

G.O. Bonds - RUT Abated

Public Works Maintenance Facility Expansion	BLD-24-003	506,499	8,230,602	2,985,809	11,722,910
G.O. Bonds - RUT Abated Total		506,499	8,230,602	2,985,809	11,722,910

G.O. Bonds - Sewer Abated

Public Works Maintenance Facility Expansion	BLD-24-003	324,974	5,280,831	1,915,723	7,521,528
G.O. Bonds - Sewer Abated Total		324,974	5,280,831	1,915,723	7,521,528

G.O. Bonds - Storm Water Abated

Sawgrass Park Dam Improvements	STM-19-004	90,000	445,000		535,000
Four Mile Creek and Tributary Stabilization	STM-20-001	130,000	1,040,000	596,300	1,766,300
SE 3rd Street Area Trunk Storm Sewer Improvements	STM-20-006	540,000	15,000		555,000
SE 3rd St Area Collection Storm Sewer Improvements	STM-21-001		190,000	1,020,000	930,000
Diamond Hills Greenway Stream Stabilization	STM-22-002		75,000	75,000	1,610,000
Four Mile Creek Channel Stabilization-East 1st St	STM-22-003			95,000	90,000
Four Mile Creek Channel Stabilization-NE 36th St	STM-22-004			165,000	155,000
Saylor Creek Tributary Channel Improvements	STM-22-005			190,000	210,000
Four Mile Channel Stabilization-Heritage Park	STM-23-001			45,000	40,000
NW 17th St Storm Sewer and Pavement Improvements	STM-24-001	8,400	378,000		386,400
SW Des Moines Street Utility Improvements	STM-24-002	78,333	505,000	168,333	751,666

Source	Project #	2024	2025	2026	2027	2028	Total
Private Contributions							
SE Creekview Drive Extension	STR-24-003		1,100,000				1,100,000
Annual Traffic Signal Improvement Program	TRF-00-001		90,000				90,000
SE Corporate Woods and Crosswinds Traffic Signal	TRF-23-002		80,000				80,000
				1,270,000			1,270,000
Private Contributions Total							
Road Use Tax Fund							
Public Works Satellite Salt Storage Facility	BLD-21-002		435,000				435,000
East of Interstate 35 Land Acquisition	BLD-24-002	99,000					99,000
Annual Sidewalk/Trail Construction Program	SDW-00-001	350,000	350,000	350,000	350,000	350,000	1,750,000
Annual Street Replacement Program	STR-00-004	1,000,000					1,000,000
			1,449,000	785,000	350,000	350,000	3,284,000
Road Use Tax Fund Total							
Sewer Fund							
Annual Sanitary Sewer Replacement Program	SNS-00-001	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	6,000,000
Otter Creek Trunk Sewer-Phase 4	SNS-12-001		1,650,000				1,650,000
SE 3rd Street Trunk Sewer Extension	SNS-20-002	791,000	353,000				1,144,000
Trestle Ridge Trunk Sewer Cost Share	SNS-22-001		150,000				150,000
Clover Ridge Trunk Sewer Extension	SNS-22-003		105,000	846,000			951,000
Polk County Lift Station Decommissioning	SNS-22-004		154,000	1,672,000			1,826,000
SW Irvineland Drive Sanitary Sewer Replacement	SNS-23-002			12,000	118,000		130,000
Deer Creek Trunk Sewer Extension	SNS-23-003				216,000	2,009,000	2,225,000
Fire Station No. 4 Sanitary Sewer	SNS-24-001	730,000					730,000
Four Mile Creek Trunk Sewer - Phase 2	SNS-24-002	1,775,000					1,775,000
SW Des Moines Street Utility Improvements	STM-24-002	78,334	505,000	168,334			751,668
S Ankeny Blvd Improvements-SE Peterson to 1st St	STR-23-005			912,500			912,500
		4,374,334	4,017,000	4,810,834	1,634,000	3,409,000	18,245,168
Sewer Fund Total							
Special Assessments							
NW 36th St Reconstruction-Irvineland to Abilene	STR-18-003		200,000	290,000			490,000
			200,000	290,000			490,000
Special Assessments Total							
Storm Water Fund							
Annual Storm Water Replacement Program	STM-00-001	400,000	400,000	450,000	450,000	500,000	2,200,000
SE 3rd Street Area Trunk Storm Sewer Improvements	STM-20-006	400,000	400,000				800,000
SE 3rd St Area Collection Storm Sewer Improvements	STM-21-001			400,000	400,000		800,000
Saylor Creek Tributary Channel Improvements	STM-22-005					400,000	400,000
		800,000	800,000	850,000	850,000	900,000	4,200,000
Storm Water Fund Total							
Water Fund							
East of Interstate 35 Land Acquisition	BLD-24-002	66,000					66,000
SW Des Moines Street Utility Improvements	STM-24-002	78,333	505,000	168,333			751,666
S Ankeny Blvd Improvements-SE Peterson to 1st St	STR-23-005			912,500			912,500
Annual Water Main Replacement Program	WTM-00-001	700,000	725,000	750,000	775,000	800,000	3,750,000
SW Irvineland Elevated Storage Tank Repaint	WTI-23-001				90,000		90,000

Source	Project #	2024	2025	2026	2027	2028	Total
	Water Fund Total	844,333	1,230,000	1,830,833	865,000	800,000	5,570,166
Water Revenue Bonds							
Saylorville Feeder Main Purchase Capacity	WTM-17-008	604,000					604,000
South Ankeny Boulevard Water Main Improvements	WTM-19-001		128,000	1,172,000			1,300,000
SW Walnut Street and SW Ordnance Road Water Main	WTM-20-002	295,000	1,860,000				2,155,000
NE 36th St and NE 38th St Water Main Loop	WTM-21-009	2,300,000					2,300,000
SW Linden and SW Sharmin Water Main Improvements	WTM-24-001				60,000		60,000
Northwest Water Tower	WTT-19-002	11,295,000					11,295,000
SE Magazine Ground Storage Tank Repaint	WTT-20-002	726,000					726,000
SW Irvindale Elevated Storage Tank Repaint	WTT-23-001				1,187,000		1,187,000
East Water Tower	WTT-24-001	400,000	10,400,000				10,800,000
	Water Revenue Bonds Total	15,220,000	2,260,000	10,528,000	1,172,000	1,247,000	30,427,000
	GRAND TOTAL	57,384,000	37,772,000	59,583,000	44,111,000	46,016,000	244,866,000

Section 4

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Administration

Contact Assistant City Manager

Type New Construction

Useful Life 40 years

Category Municipal Buildings

Project # BLD-18-002

Project Name Community Entrance Signs

Description

The two large welcome signs along Interstate 35 were constructed in 2018. Landscaping around the two interstate signs was completed in 2019. Additional smaller signs were planned for future construction. Assuming 8 smaller signs are constructed:

- A feasibility study with final council approval of sign locations will need to be completed.
- Property acquisitions/permits will need to be obtained with Iowa DOT approvals in certain locations.
- Four signs will be completed in each of two years after design, approvals and easement acquisitions as needed.

Justification

The installation of welcome signs was identified by the city council as a priority during previous strategic planning sessions (prior to 2022). As a first phase of meeting this objective, the two large scale Interstate 35 signs were built. Additional smaller-scale signs were planned for future consideration pending council authorization. This planning effort will need to once again be vetted prior to work proceeding. These smaller signs are anticipated to be placed at the corporate limits on some of the state highways and county collector routes. These signs will showcase and promote our successful city.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs		100,000	100,000			200,000
Planning Study	50,000					50,000
Total	50,000	100,000	100,000			250,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	48,000					48,000
Hotel/Motel Tax Fund	2,000	100,000	100,000			202,000
Total	50,000	100,000	100,000			250,000

Budget Impact/Other

The two large interstate signs require electric service and a minor amount of landscaping maintenance each year. The other eight signs will require minor landscaping maintenance each year.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		750	1,500	1,500	1,500	5,250
Utilities		150	300	300	300	1,050
Total		900	1,800	1,800	1,800	6,300

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Administration
Contact Assistant City Manager

Project # **BLD-18-002**

Project Name **Community Entrance Signs**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # **BLD-20-002**

Project Name **Fire Station No. 4**

Department Administration

Contact Assistant City Manager

Type New Construction

Useful Life 40 years

Category Municipal Buildings

Description

This project builds the community's fourth fire station to serve continued growth and service level needs. The station utilizes the same basic design as existing Fire Station No. 2 and 3. The new station will be located approximately 1,500 feet north of the intersection of NW Weigel Drive and NW 18th Street (west side of the road). The design for the new fire station will be completed by the end of CY 2023 with the expectation to bid the project over the winter and initiate construction during the spring of 2024. The project schedule anticipates more than 18 months for construction based upon the current environment for completing building projects on time. Full occupancy will occur by January 1, 2026.

Justification

The City of Ankeny continues to experience strong commercial and residential growth. A large percentage of new residential construction is occurring within the northwest quadrant of the City. Past experience across the United States shows that residential buildings represent the highest risk to the community for both fire injuries and deaths. Additionally, the successful response to medical emergencies is most effective when paramedics arrive within five minutes of the 911 call for service. As this rapid growth continues over the next several years, call volume and the travel time for emergency vehicles to answer emergency calls for service in northwest Ankeny from the existing fire stations in the center of town and the northeast quadrant also continue to increase.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	70,000	30,000				100,000
Construction Costs	6,198,750	798,750				6,997,500
Other Costs	541,250	541,250				1,082,500
Total	6,810,000	1,370,000				8,180,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Reserve Fund	6,600,000	1,370,000				7,970,000
G.O. Bonds	210,000					210,000
Total	6,810,000	1,370,000				8,180,000

Budget Impact/Other

The new building will require the purchase of a fire engine and ambulance as well as furniture, fixtures and equipment (FF&E) for use by City employees. There will also be regular maintenance and repairs needed after the warranty period from the building contractor expires. There will be monthly charges for services from utilities, such as electric, natural gas, garbage pickup, fiber optic internet access, cable tv, etc. The exact costs for these services will be determined when the new building is designed. The impact on 911 emergency response time in the northwest area of the City will be improved when the new fire station is opened, equipped and staffed with trained personnel.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			4,000	4,120	4,244	12,364
Utilities		2,000	6,000	6,180	6,365	20,545
Total		2,000	10,000	10,300	10,609	32,909

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

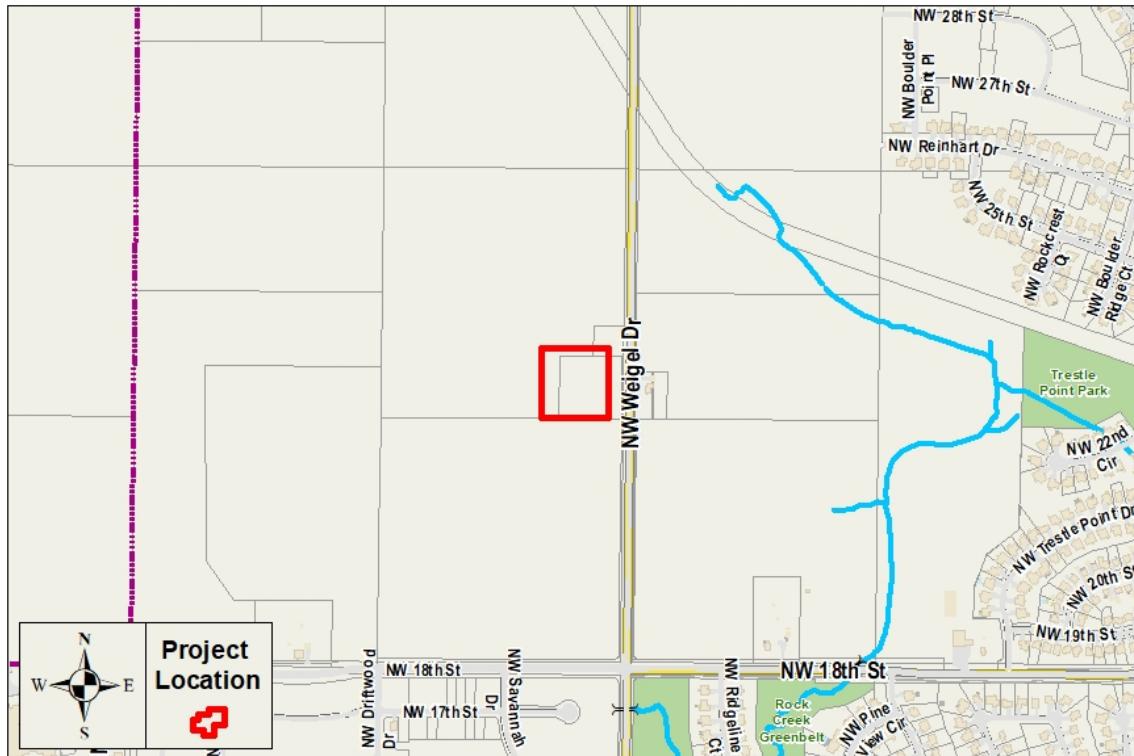
City of Ankeny, Iowa

Department Administration

Contact Assistant City Manager

Project # **BLD-20-002**

Project Name **Fire Station No. 4**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Municipal Buildings

Project # BLD-21-002

Project Name Public Works Satellite Salt Storage Facility

Description

Design and construction of a structure to store salt material for use with winter maintenance operations. The facility will be located on the property owned by the City where the Northwest Water Tower will be constructed – near the intersection of NW Irvindale Drive and NW 36th Street. The structure will likely consist of a concrete block building enclosure with a hoop roof structure. The facility would be large enough to provide interior storage of up to 4,000 tons of salt material. The facility would also include a paved pad in front for material handling. The sitework needed for the facility will be completed with the Northwest Water Tower sitework. The salt storage facility would be constructed after the Northwest Water Tower is completed.

Justification

The City continues to experience strong residential growth, and a large percentage of the overall growth is occurring in the northwest quadrant of the City. As this growth continues, having a satellite salt storage facility on the north side of the City will maintain and improve the efficiency and effectiveness of our snow removal operations. The north side snow plow routes are becoming increasingly less efficient due to the amount of time it takes to travel from the maintenance facility to the north side snow plow routes in order to replenish the salt supply in the snow plow trucks.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	50,000					50,000
Construction Costs		475,000				475,000
Total	50,000	475,000				525,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	50,000	40,000				90,000
Road Use Tax Fund		435,000				435,000
Total	50,000	475,000				525,000

Budget Impact/Other

There will be additional lighting costs and minimal building upkeep needed.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			300	300	300	900
Utilities			200	200	200	600
Total			500	500	500	1,500

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

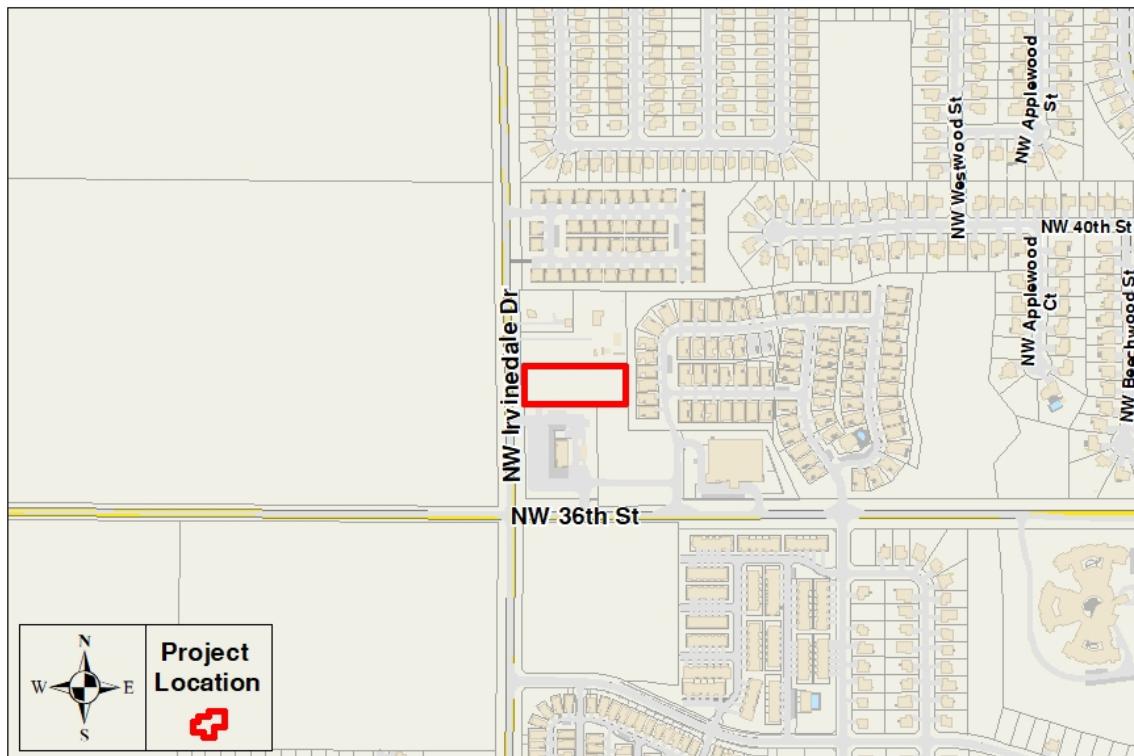
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **BLD-21-002**

Project Name **Public Works Satellite Salt Storage Facility**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Type Improvement

Useful Life 20 years

Category Municipal Buildings

Project # **BLD-24-001**

Project Name **Otter Creek Golf Course Clubhouse Renovations**

Description

Otter Creek Golf Course Clubhouse Renovations

Justification

Since opening in 2009, the Otter Creek Golf Course Clubhouse has witnessed tremendous use as Ankeny's only public course. The Pro Shop, Tin Cup and Pinnacle Club annually host over 40,000 patrons at the facility. Normal wear-and-tear on the carpet, paint and other amenities are now showing and need to be updated.

The majority of the renovations include new paint and carpet for the banquet area, pre-function room and restaurant. Additional improvements include window covering repairs, entry/exterior door replacement and banquet door exterior replacement. Currently, the clubhouse does not have ADA accessible doors and these improvements would provide one set at each end of the facility. The improvements are being target to take place December 2024 – February 2025.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	200,000					200,000
Total	200,000					200,000
Funding Sources	2024	2025	2026	2027	2028	Total
Otter Creek Golf Course Fund	200,000					200,000
Total	200,000					200,000

Budget Impact/Other

None, as these improvements are replacement items.

2024 - 2028 Capital Improvement Program

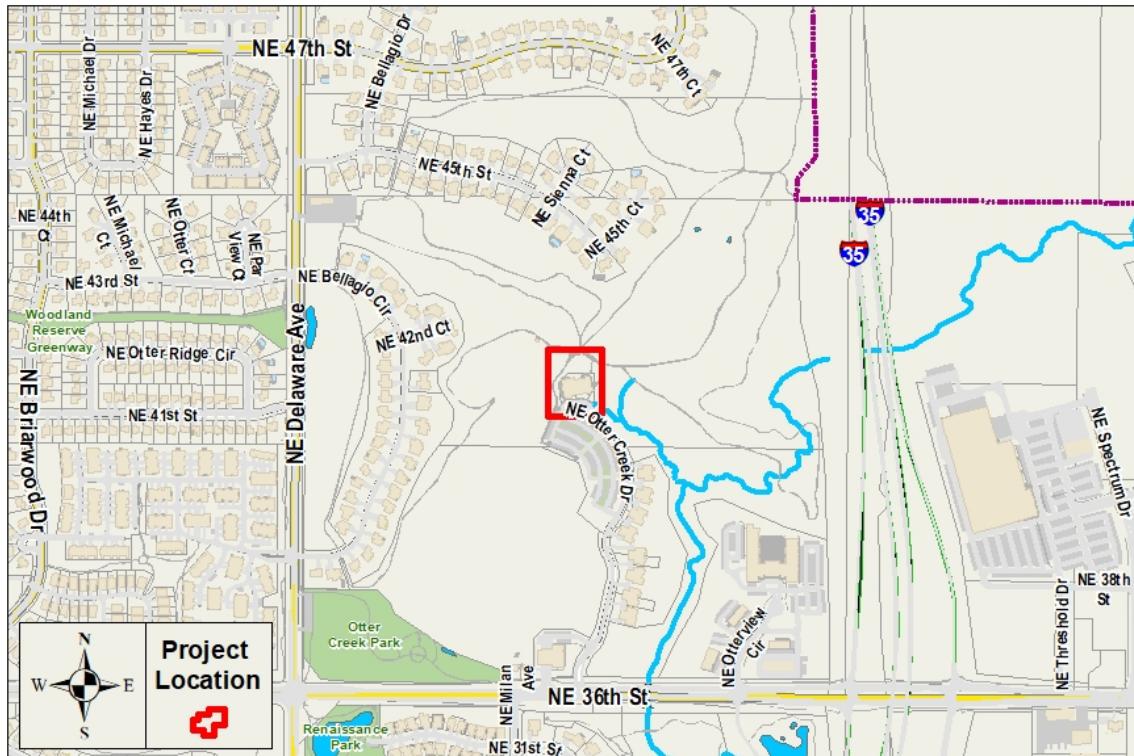
2024 *thru* 2028

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director

Project # BLD-24-001

Project Name: Otter Creek Golf Course Clubhouse Renovations



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Administration

Contact Assistant City Manager

Type Purchase

Useful Life 40 years

Category Municipal Buildings

Project # **BLD-24-002**

Project Name **East of Interstate 35 Land Acquisition**

Description

Funds to complete land acquisition east of Interstate 35 for future Fire Station No. 5, the east side water tower, and a public works salt storage facility.

Justification

Ankeny's growth pattern east of Interstate 35 is steady and continues to require additional levels of service from the City. Property ownership on the east side of Ankeny has changed over significantly over the past few years, and now more growth is anticipated in the near future that include residential and commercial developments. The City will need to establish locations for necessary facilities to serve residents on this side of the community including Fire Station No. 5, a future east side water tower, and a salt storage facility for public works. Acreage will be purchased to accommodate those needs at one location. Funding for the acquisition will be split out based on acreage needs, water (1 acre), public works (1.5 acres), Fire Station No. 5 (2.5 acres).

Expenditures	2024	2025	2026	2027	2028	Total
Legal-General/Spec. Assessment	15,000					15,000
Land/ROW Acquisition	315,000					315,000
Total	330,000					330,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Reserve Fund	165,000					165,000
Road Use Tax Fund	99,000					99,000
Water Fund	66,000					66,000
Total	330,000					330,000

Budget Impact/Other

Operating costs would be limited to mowing the property, but could be offset if a farm lease is agreed upon for any portion of property. Due to the unknown nature of the land's use, this request is submitted as a cost neutral item for the City's operations.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

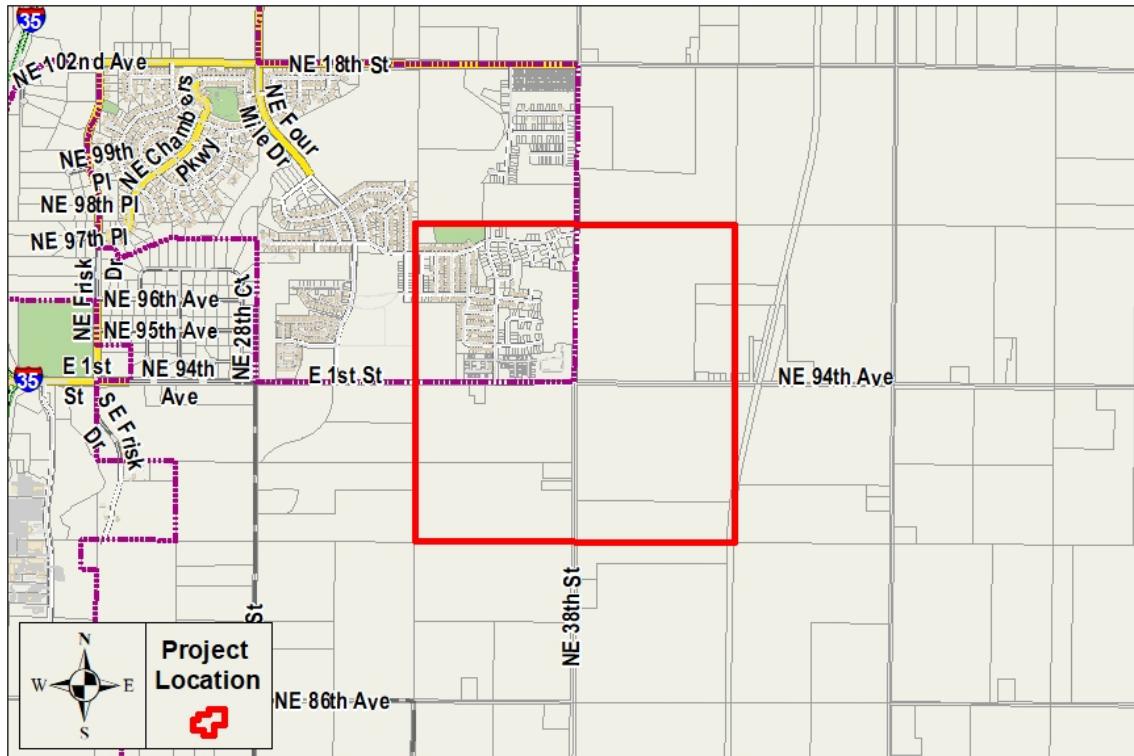
City of Ankeny, Iowa

Department Administration

Contact Assistant City Manager

Project # **BLD-24-002**

Project Name **East of Interstate 35 Land Acquisition**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact Assistant City Manager

Type New Construction

Useful Life 40 years

Category Municipal Buildings

Project # BLD-24-003

Project Name Public Works Maintenance Facility Expansion

Description

Design and construction of a consolidated field services building at the existing public works maintenance facility site. This project will expand upon the existing building foot print to accommodate future growth in equipment and employees. Divisions impacted by the project include Public Works operations, traffic, water, and sanitary sewer.

Justification

Multi-building expansion scheme intended to meet the needs of the current operations at this location (traffic, fleet, streets, and water) along with expansion needs for the sanitary sewer group at the old waste water treatment site. Expansions at the north end of the main building add administrative space and locker room expansions. An additional wash bay is added at the south end. The current maintenance bays would be used for maintenance only and not for storage of vehicles. A large addition to the end of the waterworks maintenance structure is constructed in a single phase to add vehicle storage space for the next 20 years. Design fees are estimated at ~6% for the project.

Projected Construction Costs = \$21,813,000

Projected Design Costs:
 -Public Works (~51%)
 -Sanitary Sewer (~32%)
 -Water (~17%)

Projected Total Construction & Design Costs: = \$23,145,000

The project estimate above is provided in CY 2023 dollars and excludes additional costs for land acquisition, site utility infrastructure development costs, design fees, construction observation, or cost escalation. A cost escalation factor of 6% annum is advised, but can be adjusted during subsequent reviews of the CIP, but would likely be estimated at \$24.51 million if constructed in 2026.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		1,000,000				1,000,000
Engineering-Construction Services			250,000	82,000		332,000
Construction Costs			16,000,000	5,813,000		21,813,000
Total	1,000,000	16,250,000	5,895,000		23,145,000	

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - RUT Abated		506,499	8,230,602	2,985,809		11,722,910
G.O. Bonds - Sewer Abated		324,974	5,280,831	1,915,723		7,521,528
G.O. Bonds - Water Abated		168,527	2,738,567	993,468		3,900,562
Total	1,000,000	16,250,000	5,895,000		23,145,000	

Budget Impact/Other

To be determined, however expanding the existing building square footage will carry additional operating impacts for utility expenses. Some of this additional expense will be slightly offset by no longer operating separate wastewater facilities.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

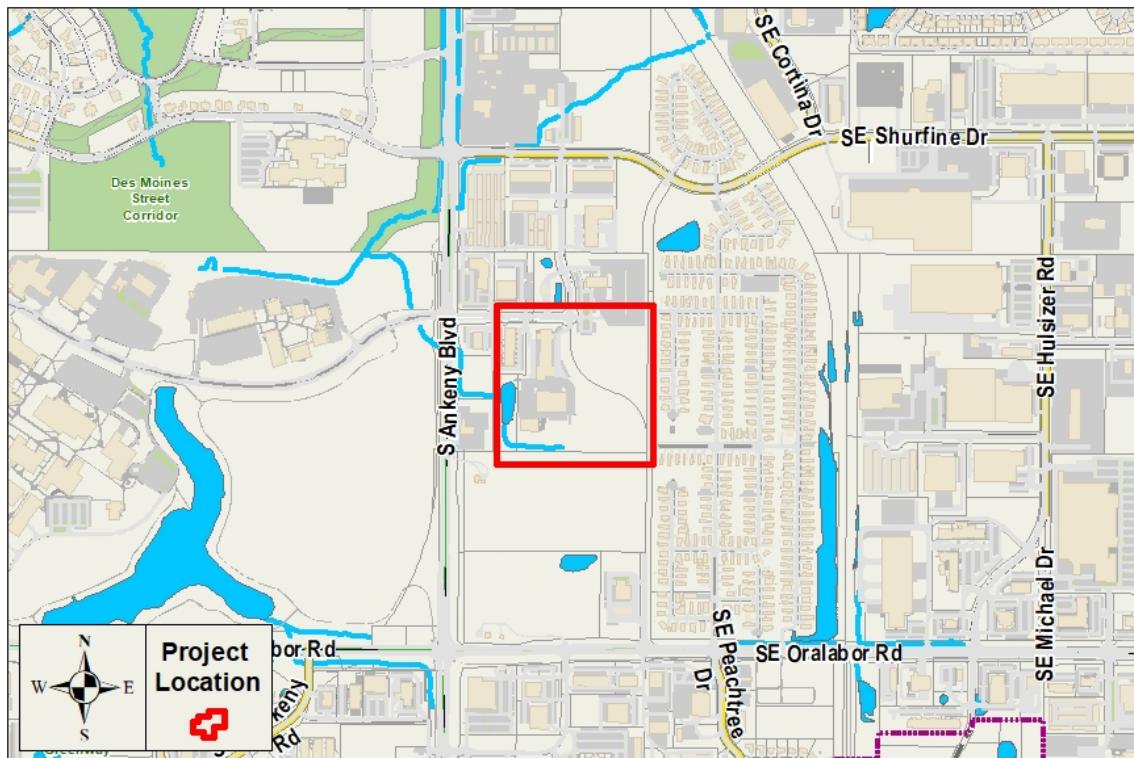
City of Ankeny, Iowa

Department Public Works

Contact Assistant City Manager

Project # BLD-24-003

Project Name Public Works Maintenance Facility Expansion



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type Replacement

Useful Life 40 years

Category Bridge/Box Culvert

Project # BRG-20-001

Project Name SE Frisk Drive RCB Culvert for Four Mile Creek

Description

This project will replace the existing bridge with a reinforced concrete box (RCB) culvert. The existing bridge is a single span 16-ft. arch bridge constructed of concrete and timber. The bridge is located south of East 1st Street on SE Frisk Drive, spanning a tributary stream to Four Mile Creek. This project includes survey, study, and consultant design engineering services in 2027, and consultant construction engineering services and construction in 2028.

Justification

The 2022 Iowa Structure Inventory and Appraisal conducted by Calhoun-Burns & Associates recommended replacing the bridge within the next several years due to cracks, deterioration, and erosion. This project will replace the existing bridge with a reinforced concrete box (RCB) culvert.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design				55,000		55,000
Engineering-Construction Services					35,000	35,000
Construction Costs					350,000	350,000
Total				55,000	385,000	440,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds				55,000	385,000	440,000
Total				55,000	385,000	440,000

Budget Impact/Other

The new RCB culvert will have a negligible impact on the City's maintenance costs. The RCB culvert will be added to the Annual Bridge Inspection Program for monitoring purposes.

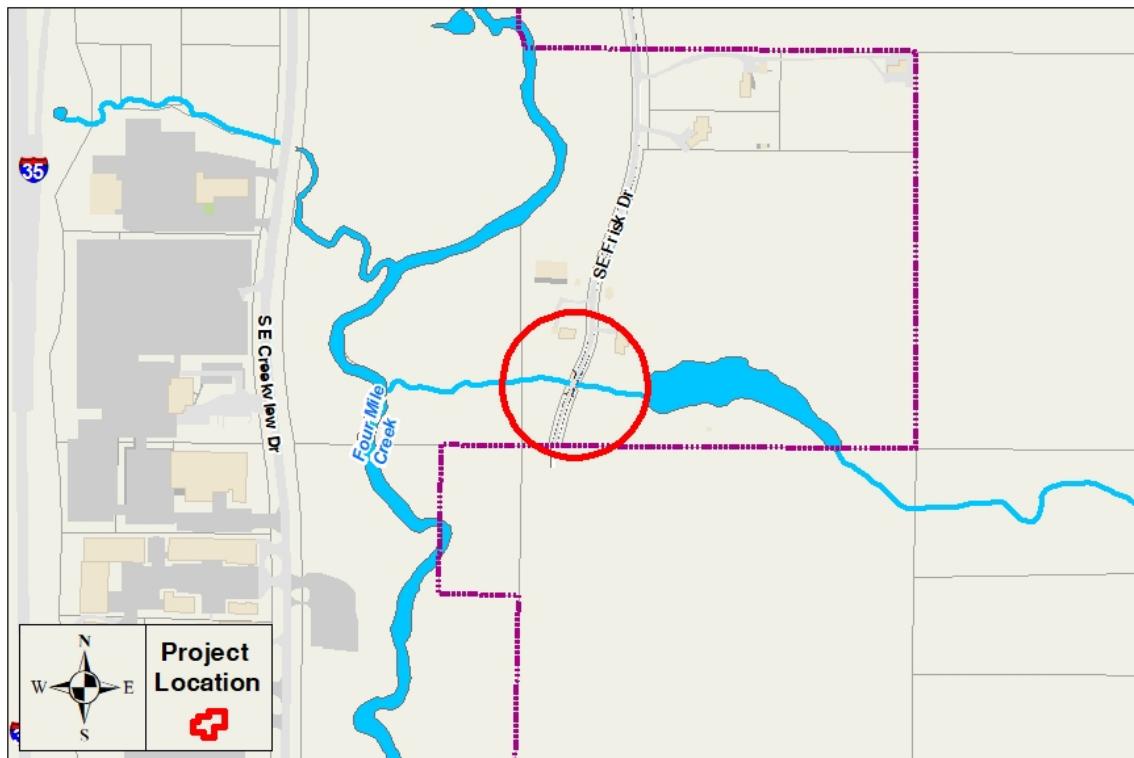
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # BRG-20-001

Project Name SE Frisk Drive RCB Culvert for Four Mile Creek



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

Project # BRG-22-002

Project Name NE 18th Street Bridge over Interstate 35

Description

Reconstruction and extension of NE 18th Street from NE Delaware Avenue across Interstate 35 to approximately 225 feet east of NE Frisk Drive. The new roadway will include a bridge over Interstate 35, a pedestrian bridge over Four Mile Creek, 8-ft. wide sidewalk on the south side, streetlighting, and storm sewer. The existing roadway bridge over Four Mile Creek that was recently replaced by Polk County will be used as constructed.

The overall project would be constructed with three separate bid packages as follows:

- Phase 1 (2027) – vegetation clearing and embankment construction
- Phase 2 (2028) – I-35 bridge construction and Four Mile Creek pedestrian bridge construction
- Phase 3 (2029) – NE 18th Street roadway and storm sewer construction.

The proposed project schedule assumes:

- Topographic survey, initial environmental (NEPA) documentation, and initial preliminary design in 2025
- Additional environmental (NEPA) documentation and additional preliminary design in 2026
- Final design of Phase 1, final design of Phase 2, right-of-way acquisition, construction of Phase 1, and construction engineering of Phase 1 in 2027
- Final design of Phase 3, construction of Phase 2, and construction engineering of Phase 2 in 2028
- Construction of Phase 3 and construction engineering of Phase 3 in 2029.

It is anticipated that all three construction projects would be bid through the Iowa DOT letting process. The City anticipates applying for STBG funding for the bridge project through the Des Moines Area MPO. The City also anticipates requesting funding from the Iowa DOT.

Justification

This street extension and bridge will improve traffic mobility and support the current and anticipated future residential and commercial development in the northeast quadrant of the City to the east of Interstate 35. The Deer Creek residential development located between NE 18th Street and E 1st Street currently has several hundred residential properties, with several hundred more planned. It is anticipated that the Spectrum 36 commercial development located at NE 36th Street to the east of Interstate 35 will contain several big box retail stores, multi-unit strip malls, and restaurants over the next five to ten years. Also, the proposed Pine Lakes Estates development which is north of NE 18th Street, between I-35 and NE Four Mile Drive, is expected to begin the construction of residential lots in 2024. Having another route to access these residential and commercial properties to the east of Interstate 35 is essential to maintain the planned future growth in this area of the City.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		475,000	400,000			875,000
Engineering-Construction Services				525,000	725,000	1,250,000
Construction Costs				1,225,000	5,800,000	7,025,000
Land/ROW Acquisition				500,000		500,000
Total	475,000	400,000	2,250,000	6,525,000	9,650,000	

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		475,000	400,000	2,250,000	4,525,000	7,650,000
MPO/STBG Grants					2,000,000	2,000,000
Total	475,000	400,000	2,250,000	6,525,000	9,650,000	

Budget Impact/Other

The added public street pavement and 8-ft. sidewalk will increase the maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. The new street lights will result in additional electric power costs for the City.

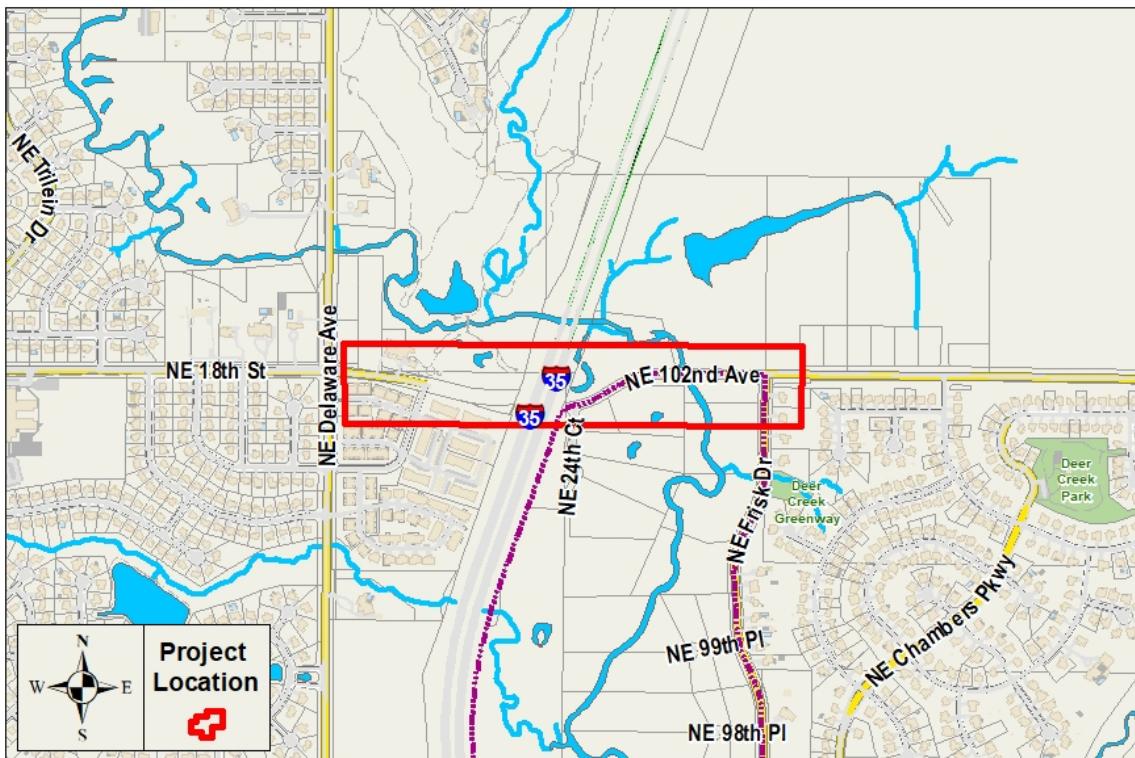
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # **BRG-22-002**

Project Name **NE 18th Street Bridge over Interstate 35**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

Project # BRG-22-004

Project Name NE Spectrum Drive RCB Culvert for Otter Creek

Description

Complete a hydraulic study, design, and construct a new reinforced concrete box (RCB) culvert to accommodate future extension of NE Spectrum Drive across Otter Creek.

Justification

The purpose of the project is to study, design and construct a new RCB culvert(s) to convey flow from Otter Creek under the future NE Spectrum Drive extension. The new RCB culvert(s) will support development east of Interstate 35 from NE 36th Street and north.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design			140,000			140,000
Engineering-Construction Services				100,000		100,000
Construction Costs				1,150,000		1,150,000
Total			140,000	1,250,000		1,390,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - TIF Abated			140,000	1,250,000		1,390,000
Total			140,000	1,250,000		1,390,000

Budget Impact/Other

The new RCB culvert will have a negligible impact on the City's maintenance costs. The RCB culvert will be added to the Annual Bridge Inspection Program for monitoring purposes, following construction.

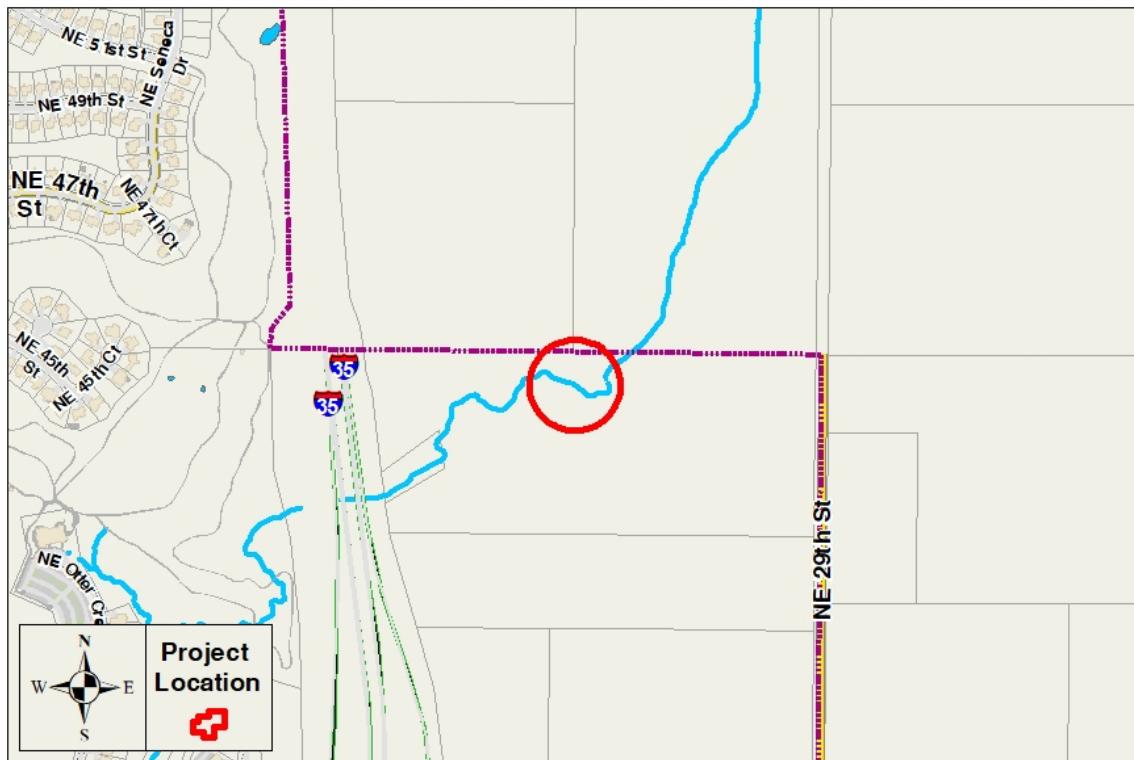
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # BRG-22-004

Project Name NE Spectrum Drive RCB Culvert for Otter Creek



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

Project # BRG-23-001

Project Name NE 62nd Street RCB Culvert for Four Mile Tributary

Description

This project will replace an old farm access culvert with a reinforced concrete box (RCB) culvert. The existing culvert is in poor condition and not rated for typical vehicular traffic. The culvert is located west of NE Delaware Avenue and just east of NE Hillcrest Drive along the future alignment of NE 62nd Street allowing the crossing of an unnamed tributary to Four Mile Creek. This project includes engineering design in 2023, with construction and engineering services in 2024.

Justification

The purpose of this project is to design and construct a new RCB culvert to convey flow from the unnamed tributary of Four Mile Creek under the future NE 62nd Street extension west from NE Delaware Avenue. The new RCB culvert will support development west of NE Delaware Avenue utilizing NE 62nd Street as a future collector level street to connect North Ankeny Boulevard.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	80,000					80,000
Construction Costs	620,000					620,000
Total	700,000					700,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	700,000					700,000
Total	700,000					700,000

Budget Impact/Other

The new RCB culvert will have a negligible impact on the City's maintenance costs. The RCB culvert(s) will be added to the Annual Bridge Inspection Program for monitoring purposes, following construction.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

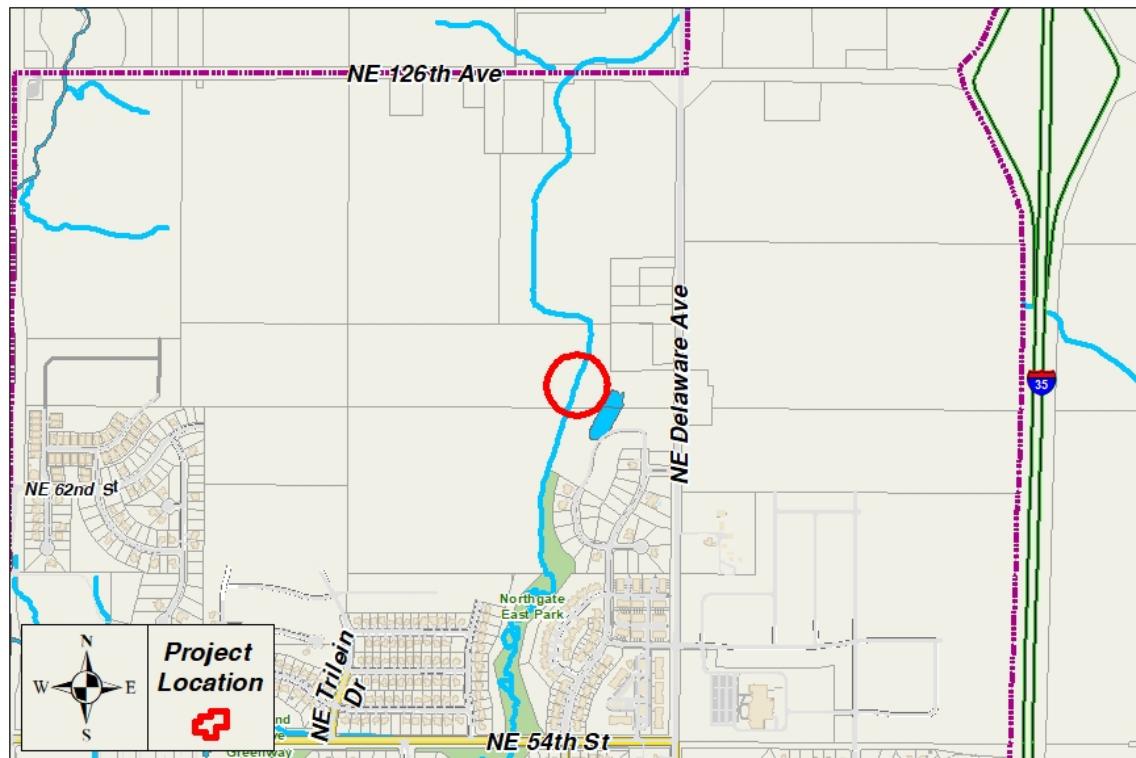
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **BRG-23-001**

Project Name **NE 62nd Street RCB Culvert for Four Mile Tributary**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Fire

Contact Fire Chief

Type Purchase

Useful Life 20 years

Category Operating/Construction Equip

Project # OEC 23-001

Project Name Ladder Truck Replacement

Description

Purchase a replacement ladder truck for the fire department emergency response fleet. This apparatus will be operated from Fire Station No. 1 as the primary fire response vehicle from this location and will include a fire pump and water tank. If approved, we would plan to order the apparatus at the beginning of the FY 2025 budget. We anticipate a manufacturing time of 48-52 months after the signed contract is submitted to the manufacturer (anticipated delivery in the FY 2029 budget year).

Justification

The purpose of this project is to increase the reliability of our single aerial ladder as well as provide the opportunity to optimize the response capabilities of our front-line apparatus. Our current ladder truck suffered significant damage during the 2018 heavy rain event when the apparatus became submerged in flood waters while performing water rescues of stranded citizens. After being repaired from the damage sustained during this event, the apparatus has had a less-than-ideal reliability record.

Expenditures	2024	2025	2026	2027	2028	Total
Vehicle/Equipment					2,495,000	2,495,000
Total					2,495,000	2,495,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds					2,495,000	2,495,000
Total					2,495,000	2,495,000

Budget Impact/Other

A new ladder truck will increase the reliability of our emergency vehicle fleet and address the ongoing maintenance issues with our current aerial apparatus. The new ladder truck will also provide us the opportunity to evaluate how our fleet is utilized for calls for service, optimize response capabilities across all front-line apparatus, and reduce the number of apparatus in the current fleet by consolidating capabilities.

There will be minimal impact on the operating budget as the existing funding should account for the normal maintenance and fuel for this apparatus.

The cost estimate for the new ladder truck is \$2,370,000 with an additional \$125,000 required for radios, MDT, and equipment to outfit the apparatus.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Fire
Contact Fire Chief

Project # OEC 23-001

Project Name Ladder Truck Replacement



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Type Improvement

Useful Life 20 years

Category Park Facilities

Project # PRK-00-002

Project Name Annual Park Development Program

Description

The Annual Park Development Program consists of improvements to existing park facilities or construction of new parks. Improvements include such amenities as shelters, play structures, picnic amenities, landscaping, etc.

Justification

2024

- Watercrest Park Expansion (8 acres): splash pad, shelter, trail loop, parking lot, landscaping, etc.

2025

- Aspen Ridge Park: playground, trail loop, shelter, etc.

2026

- Kimberley Crossing Park: playground, trail loop, shelter, etc.

2027

- Trestle Ridge Park: playground, High Trestle Trail connection, shelter, etc.

2028

- Des Moines Street Parks - North Park: shelter, turf improvements, etc.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	60,000	47,000	50,000	52,000	54,500	263,500
Construction Costs	760,000	423,000	445,000	468,000	490,500	2,586,500
Total	820,000	470,000	495,000	520,000	545,000	2,850,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	720,000	370,000	395,000	420,000	445,000	2,350,000
Park Dedication Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	820,000	470,000	495,000	520,000	545,000	2,850,000

Budget Impact/Other

Watercrest Park Expansion will increase operating and maintenance costs by a negligible amount.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		500	500	500	500	2,000
Utilities		1,200	1,200	1,200	1,200	4,800
Total		1,700	1,700	1,700	1,700	6,800

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation
Contact Parks and Recreation Director

Project # **PRK-00-002**

Project Name **Annual Park Development Program**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Type Improvement

Useful Life 20 years

Category Park Facilities

Project # PRK-18-003

Project Name Hawkeye Park Tennis Courts Reconstruction

Description

Hawkeye Park Sports Complex – Tennis Courts Reconstruction

Justification

The playing surface on the Hawkeye Park Sports Complex tennis courts (six courts) is in fair condition. In 2008, the City contracted Tennis Surfaces of Iowa to provide a temporary playing surface instead of the traditional asphalt overlay (which was occurring every 5-7 years). This temporary surfacing material, attached to the subsurface asphalt with fiberglass, has done an adequate job providing a safe playing surface, but does not provide a true competitive tennis court surface. The Parks Department continues to receive many complaints on the alternate court surfacing currently in place.

Additionally, with high school tennis in the spring taking precedence at the Prairie Ridge Sports Complex, the tennis community complains about the congestion and lack of quality courts available for the public to utilize. The proposed project would demo the existing playing surface and subsurface asphalt, provide a new rock subbase, 5" asphalt playing surface and new nets/posts. The new 5" asphalt depth would provide the community another sufficient tennis option and would prolong any needed repairs due to the surfaces freeze/thaw process.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		75,000				75,000
Construction Costs		775,000				775,000
Total		850,000				850,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		850,000				850,000
Total		850,000				850,000

Budget Impact/Other

None, as this project renovates a current park amenity.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PRK-18-003

Project Name Hawkeye Park Tennis Courts Reconstruction



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # **PRK-22-005**

Project Name **High Trestle Trail Experience Park**

Department Parks and Recreation

Contact Parks and Recreation Director

Type New Construction

Useful Life 40 years

Category Park Facilities

Description

This request is for funding improvements to the High Trestle Trail (HTT) corridor from the Albaugh Family Senior Community Center to the HTT underpass under South Ankeny Boulevard. Improvements will include grading, importing soil, native plantings, 119 trees, and installing lighting along this nearly 5,000 LF of trail right-of way. Grading will prepare the trail right-of-way for future public art projects, trail side paths/detours, and other interactive enhancements on both sides of the trail corridor from SW Cherry Street to South Ankeny Boulevard (or approximately 3,000 LF). The total area impacted will be approximately 14 acres as a multi-phase, multi-year project.

Justification

This work began with the City's Bicycle Tourism and Economic Development Strategy. One component of this work was enhancing the trail corridor, which lead to the creation of the High Trestle Trail Corridor Public Art Plan, and subsequently a specific vision for this area. The improvements associated with this request will begin to create a linear park on existing City-owned property in the center of Ankeny.

These site-preparation improvements will enhance the trail with landscaping and lighting, but also set the stage for adding interactive enhancements strategically placed along the trail to create a unique experience for both residents and visitors and trail users and non-trail users to enjoy. Regional and federal grants, along with private donations, will be pursued to support the enhancements after the grading and lighting is complete.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	924,000		1,000,000		1,000,000	2,924,000
Total	924,000		1,000,000		1,000,000	2,924,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	631,000					631,000
Hotel/Motel Tax Fund	293,000		500,000		500,000	1,293,000
Other Grants			500,000		500,000	1,000,000
Total	924,000		1,000,000		1,000,000	2,924,000

Budget Impact/Other

Operating impacts include ongoing park maintenance, including cleaning, trash removal, general maintenance of landscape, and electricity costs for lighting. The 14 acres is currently part of the City's mowing contract.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		1,500	1,500	1,500	1,500	6,000
Utilities		750	750	750	750	3,000
Total		2,250	2,250	2,250	2,250	9,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

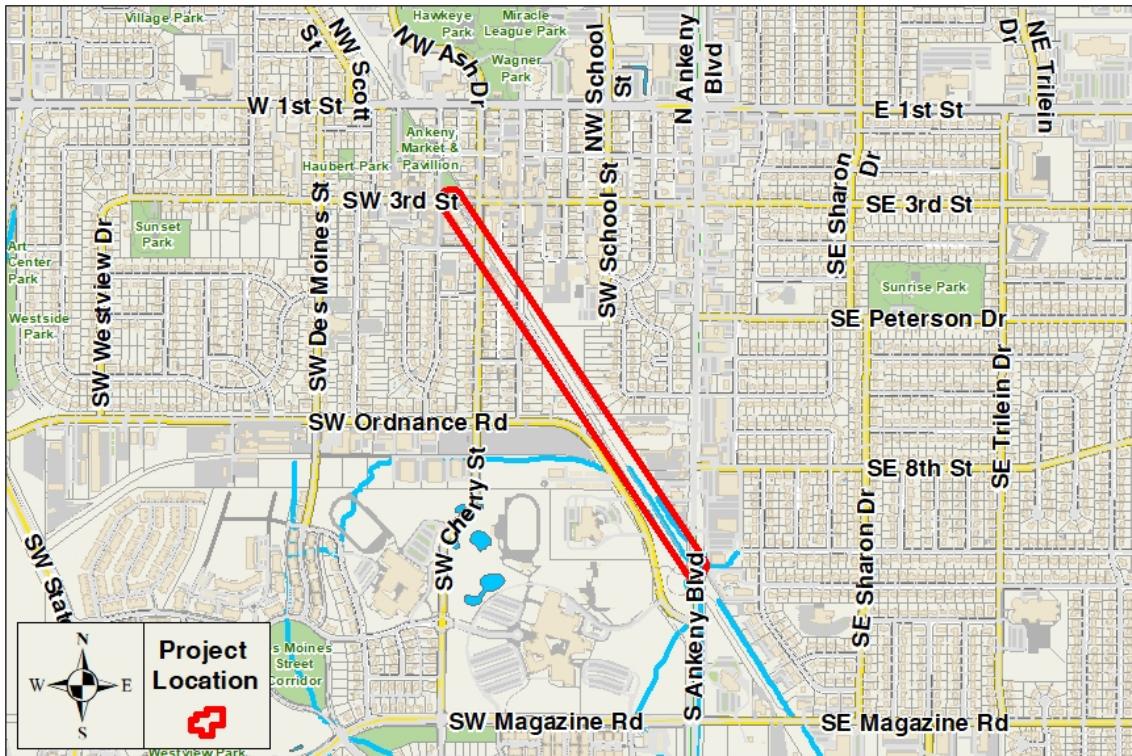
City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PRK-22-005

Project Name High Trestle Trail Experience Park



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Type Replacement

Useful Life 20 years

Category Park Facilities

Project # PRK-24-001

Project Name Sunrise Park Parking Lot Overlay

Description

Asphalt overlay of the Sunrise Park parking lot.

Justification

The Sunrise Park parking lot needs a maintenance overlay because the existing surface is no longer structurally sound, is well-aged and full of cracks. The project includes a 3-inch mill and overlay, and striping.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services		25,000				25,000
Construction Costs		125,000				125,000
Total		150,000				150,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		150,000				150,000
Total		150,000				150,000

Budget Impact/Other

None, as this project renovates a current park facility.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

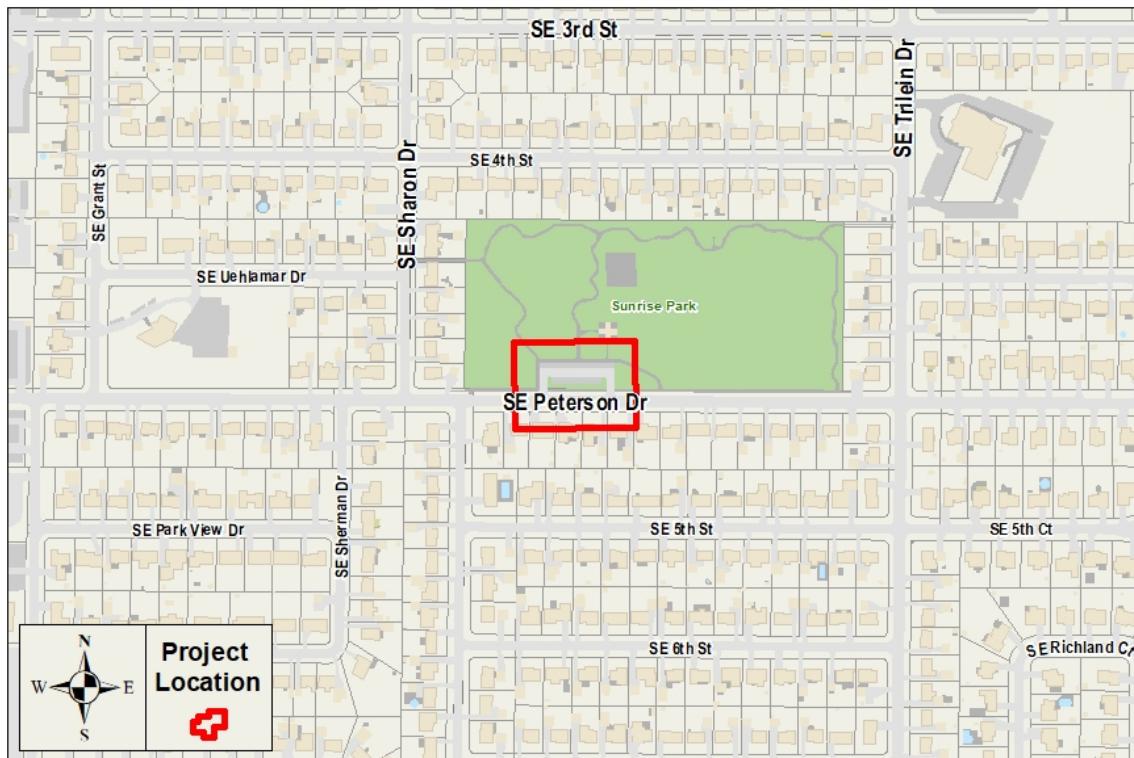
City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PRK-24-001

Project Name Sunrise Park Parking Lot Overlay



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Type Replacement

Useful Life 20 years

Category Park Facilities

Project # PRK-24-002

Project Name Prairie Ridge Sports Complex N Parking Lot Overlay

Description

Asphalt overlay of the north parking lot at the Prairie Ridge Sports Complex.

Justification

The north parking lot at the Prairie Ridge Sports Complex needs a maintenance overlay because the existing surface is no longer structurally sound, well-aged and full of cracks. The project includes a 3" mill and overlay, full depth patch work in multiple locations, gutter flowlines and striping.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services			70,000			70,000
Construction Costs			1,800,000			1,800,000
Total			1,870,000			1,870,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds			1,870,000			1,870,000
Total			1,870,000			1,870,000

Budget Impact/Other

None, as this project renovates a current park facility.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **PRK-24-002**

Project Name **Prairie Ridge Sports Complex N Parking Lot Overlay**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Sidewalks/Trails

Project # SDW-00-001

Project Name Annual Sidewalk/Trail Construction Program

Description

The Annual Sidewalk/Trail Construction Program includes constructing sidewalk improvements including the construction of ADA compliant pedestrian ramps within existing neighborhoods and the construction of sidewalk gaps adjacent to and within City-owned properties.

- Pedestrian Ramp Improvements for ADA Compliance:

o 2024 to 2028 - \$350,000/year (construction)

- Sidewalk Gaps along City Property and 8-ft. sidewalk and 10-ft. trail panel replacements:

o 2024 to 2028 - \$175,000/year (construction)

- Development Sidewalk Oversizing:

o 2024 to 2028 - \$50,000/year (previous development agreements)

The projects that are constructed annually from this program are designed and inspected in-house by Public Works Engineering Division staff. Development sidewalk oversizing is funding set aside for reimbursement to developers when constructing 8-ft. sidewalks on one side of collector streets within subdivisions.

Justification

The purpose of this program is to bring existing pedestrian ramps into Americans with Disabilities Act (ADA) compliance (per requirements mandated by the Federal Government) and provide new sections and/or replace deteriorated panels of 8-ft. sidewalks and 10-ft. trails adjacent to the City's arterial and collector streets in order to promote non-motorized travel and a corresponding healthier lifestyle within the City. These projects are often completed in conjunction with the Parks & Recreation Department to maximize the connectivity of the overall sidewalk and trail system.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	575,000	575,000	575,000	575,000	575,000	2,875,000
Total	575,000	575,000	575,000	575,000	575,000	2,875,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	225,000	225,000	225,000	225,000	225,000	1,125,000
Road Use Tax Fund	350,000	350,000	350,000	350,000	350,000	1,750,000
Total	575,000	575,000	575,000	575,000	575,000	2,875,000

Budget Impact/Other

Upgrading existing pedestrian ramps and bringing them into ADA compliance may reduce the number of complaints City staff follow up with regarding non-compliant or hazardous ramps. The additional 8-ft. sidewalks will increase maintenance costs for the City due to the additional winter maintenance that will be required. However, having a more connected trail system should make winter maintenance operations more efficient for Parks & Recreation staff.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	3,000	3,400	3,800	4,200	4,600	19,000
Total	3,000	3,400	3,800	4,200	4,600	19,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # SDW-00-001

Project Name Annual Sidewalk/Trail Construction Program



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Type Improvement

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-00-001

Project Name Annual Sanitary Sewer Replacement Program

Description

Annual allocation of capital improvement funds for repair and replacement of sanitary sewers and structures and the Sanitary Sewer Fund's portion of the neighborhood projects.

Specific projects for 2024 to 2028 include:

• Bi-annual CIPP sanitary sewer lining: 2024 to 2028 - \$500,000/year even years

• Bi-annual manhole repair project: 2024 to 2028 - \$500,000/year odd years

• Sanitary sewer spot repairs: 2024 to 2028 - \$75,000/year

• Development sanitary sewer oversizing: 2024 - \$30,000 and 2025 to 2028 - \$20,000/year

• 1/3 NW Northlawn Area Utility Improvements (2 of 4 phases remaining):

o 2024 - \$600,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)

o 2025 - \$650,000 (Phase 4 construction) and \$25,000 (Phase 4 construction engineering)

• 1/3 Westlawn Place Area Utility Improvements (number of phases TBD, potentially 6 to 8):

o 2024 - \$100,000 (stormwater study, survey, and preliminary conceptual design)

o 2025 - \$50,000 (final conceptual design and Phase 1 design engineering)

o 2026 - \$700,000 (Phase 1 construction) and \$25,000 (Phase 1 construction engineering) and \$25,000 (Phase 2 design engineering)

o 2027 - \$750,000 (Phase 2 construction) and \$25,000 (Phase 2 construction engineering) and \$25,000 (Phase 3 design engineering)

o 2028 - \$800,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)

Justification

The City's sanitary sewer system is routinely inspected and monitored by Municipal Utilities staff in order to assess the condition of the infrastructure and identify any portions that may need to be repaired or replaced. Municipal Utilities staff has determined the projects in this program by visual inspection of the sanitary sewer system, including manholes and pipes and from investigations following resident complaints. The projects in this program are justified by the need to maintain a functional sanitary sewer system, reduce inflow and infiltration, reduce long-term maintenance issues and address resident complaints. This is continuing the increased request for Cured in Place Pipe (CIPP) sanitary sewer lining bi-annually as the City has approximately 230,000 LF of Vitrified Clay Pipe (VCP) within the system and even at the newly requested rate it will take 18 years to get all of the VCP lined. CIPP lining reduces approximately 20% of the Inflow and Infiltration (I&I) in the line segment it is installed in and it also prevents root intrusion within City mains, which is a major contributor to sewer backups and service calls. This CIPP lining however, does not prevent I&I or root issues within private lines or services.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	25,000	50,000	25,000	25,000	25,000	150,000
Engineering-Construction Services	25,000	25,000	25,000	25,000	25,000	125,000
Construction Costs	1,205,000	1,245,000	1,295,000	1,345,000	1,395,000	6,485,000
Survey/Preliminary Analysis	100,000					100,000
Total	1,355,000	1,320,000	1,345,000	1,395,000	1,445,000	6,860,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	355,000	220,000	145,000	95,000	45,000	860,000
Sewer Fund	1,000,000	1,100,000	1,200,000	1,300,000	1,400,000	6,000,000
Total	1,355,000	1,320,000	1,345,000	1,395,000	1,445,000	6,860,000

Budget Impact/Other

The operating impact for this project will provide a cost savings over time due to the replacement of old and deteriorating sanitary sewer with new PVC mains, relined mains and repaired pipes. This will reduce the I&I and lower the WRA flow. These areas will be placed on the routine pipe cleaning and inspection programs at the end of the maintenance bond, reducing the maintenance cost for that period. The number of Sanitary Sewer Overflows (SSO) and basement back-ups that Municipal Utilities staff will have to respond to should be reduced in the near term, with the upgraded infrastructure.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility
Contact Municipal Utilities Director

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility
Contact Municipal Utilities Director

Project # **SNS-00-001**

Project Name **Annual Sanitary Sewer Replacement Program**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-12-001

Project Name Otter Creek Trunk Sewer-Phase 4

Description

Install approximately 4,000 LF of 24-inch diameter sanitary trunk sewer from the north end of Otter Creek Trunk Sewer – Phase 3 north to NE 54th Street along the creek west of NE Four Mile Drive.

Justification

The purpose of this project is to extend sanitary sewer service north to the area around NE 54th Street and NE Four Mile Drive. The timing of this project will depend upon development in the area of the NE 36th Street interchange.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services		150,000				150,000
Construction Costs		1,500,000				1,500,000
Total		1,650,000				1,650,000
Funding Sources	2024	2025	2026	2027	2028	Total
Sewer Fund		1,650,000				1,650,000
Total		1,650,000				1,650,000

Budget Impact/Other

Since this is a new trunk sewer, it is not anticipated that there will be any maintenance required initially. It will be added to the routine pipe cleaning and inspection programs once the maintenance bond period has passed. However, being a large diameter trunk sewer, this would have a lower frequency of maintenance and it would likely be hired out as the City does not have the equipment to televise this size of active sewer.

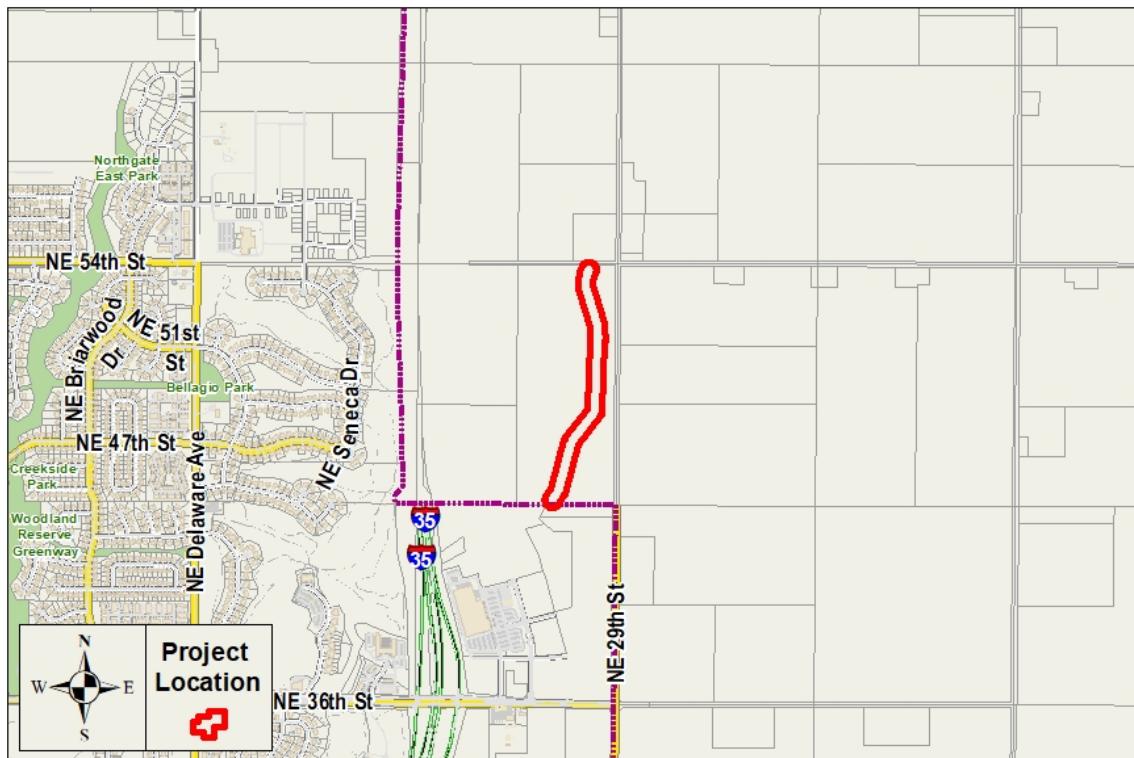
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility
Contact Municipal Utilities Director

Project # SNS-12-001

Project Name Otter Creek Trunk Sewer-Phase 4



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type Replacement

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-20-002

Project Name SE 3rd Street Trunk Sewer Extension

Description

Installation of approximately 1,300 LF of 15" sanitary sewer along SE 3rd Street, between South Ankeny Boulevard and SE Sharon Drive. Additionally, the existing 4" water main within that same corridor will be replaced and upsized to 8" main (1,600 LF). The project will utilize open cut construction, and a temporary water supply system will be utilized to keep the existing homes within the area in service.

Justification

This project is necessary as many residences within the subject area have experienced historical basement flooding issues. Additionally, data from the June 30, 2018 rain event showed that a significant number of homes within the subject area experienced basement backups, with excess of 24" of water in the basement. With the extensive amount of disturbance needed to complete this project, it becomes more cost effective to upsize/replace the existing water main at this time as well. The proposed project will need to be coordinated with the Public Works proposed SE 3rd Street Area Trunk Storm Sewer Improvements along this corridor.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	30,000	15,000				45,000
Construction Costs	761,000	338,000				1,099,000
Total	791,000	353,000				1,144,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sewer Fund	791,000	353,000				1,144,000
Total	791,000	353,000				1,144,000

Budget Impact/Other

It is anticipated that construction of this project should have an immediate benefit to the sanitary sewer within this area by increasing system capacity, and reducing the frequency of basement backups. This should result in a reduced need for inspection and maintenance. Upsizing of the water main will help to reduce friction losses within the distribution system, and provide better hydraulics to serve the demand within the area. It will take approximately 25,000 gallons to fill and flush the new water main.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities	65,100	28,900				94,000
Total	65,100	28,900				94,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

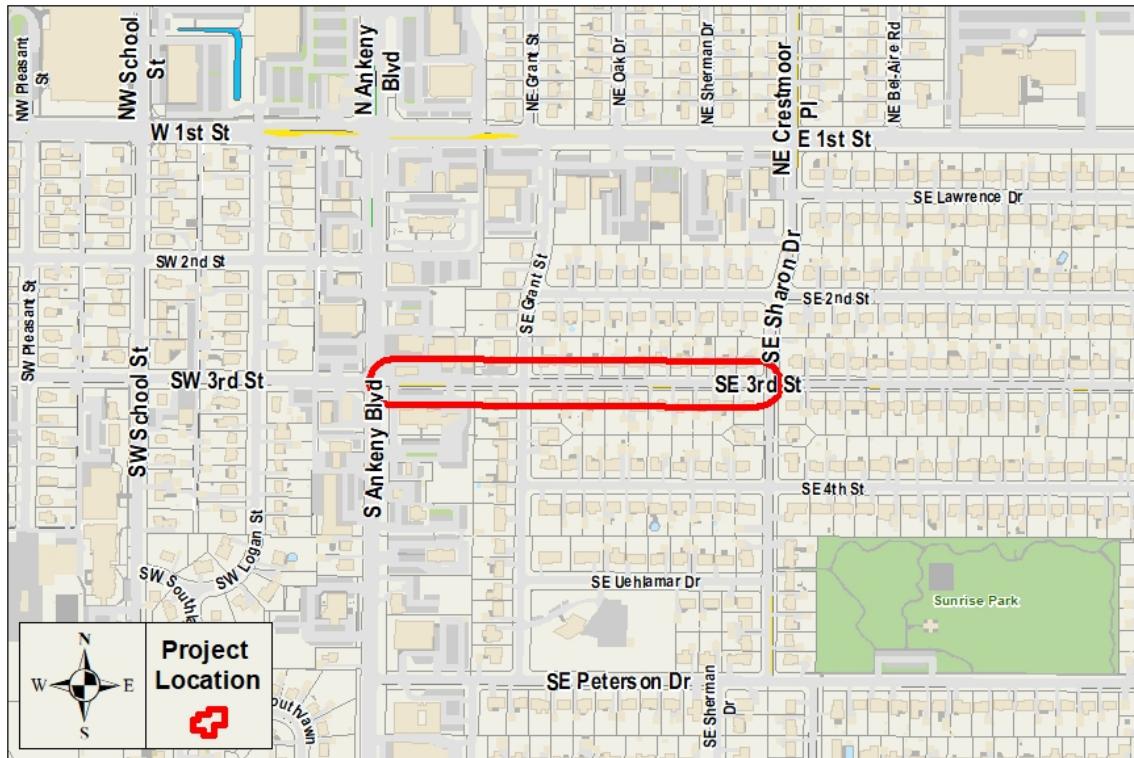
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # **SNS-20-002**

Project Name **SE 3rd Street Trunk Sewer Extension**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-22-001

Project Name Trestle Ridge Trunk Sewer Cost Share

Description

The Trestle Ridge Trunk Sewer Cost Share project will include installation of approximately 1,600 LF of 24-inch sanitary sewer in 2024 and approximately 2,700 LF of 21-inch sanitary sewer in 2025. The Phase 1 trunk sewer will connect at an existing manhole at the northwest corner of Trestle Ridge Estates Plat 6 and continue north under NW 36th Street, terminating just north of NW 36th Street. Phase 2 will start at the north end of the Phase 1 limits to approximately 2,700 feet north of NW 36th Street and 1,400 feet west of NW Irvindale Drive.

Justification

The Trestle Ridge Trunk Sewer Cost Share project is being proposed due to the developer planning to provide sanitary sewer to a subdivision north of NW 36 Street and west of NW Irvindale Drive. The sanitary sewer (Phase 1 & 2) is approximately 4,300 feet short of serving this subdivision. The City will pay the cost difference of upsizing from an 8-inch line in order to avoid creating a development agreement that will result in hundreds of acres of credit due to the developer that will take an unknown amount of time to pay out. This method should be cost beneficial for both the City and developer in the long run. This project was proposed for 2023 but the development project didn't occur so this cost share is being proposed for 2024 in anticipation the development occurs next year. The project is split into two phases in 2024 and 2025 to account for the possibility that the land along this trunk line gets developed in phases similar to what we have shown.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	325,000	425,000				750,000
Total	325,000	425,000				750,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	325,000	275,000				600,000
Sewer Fund		150,000				150,000
Total	325,000	425,000				750,000

Budget Impact/Other

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

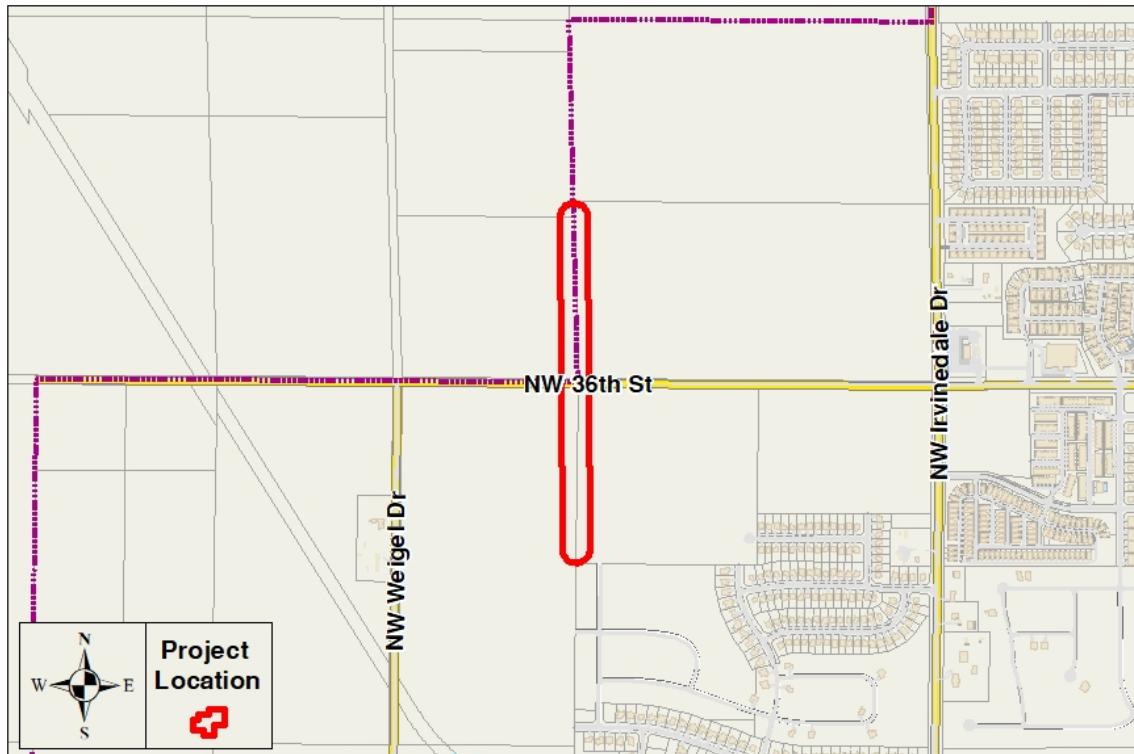
2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-22-001

Project Name Trestle Ridge Trunk Sewer Cost Share



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-22-003

Project Name Clover Ridge Trunk Sewer Extension

Description

Install approximately 1,375 LF of 24-inch diameter sanitary trunk sewer from the existing 24-inch sanitary line at west end of SE 17th Street, north to NE 86th Avenue (NE Magazine Road). The project will primarily utilize open-cut construction, with approximately 40 LF of trenchless construction beneath the existing road (NE 86th Avenue).

Justification

This project has become a need due to recent interest in the development of land and potential annexations within the vicinity of the East 1st Street/NE 29th Street intersection. This trunk line will serve a large portion of developable land south of East 1st Street. The timing of this project is dependent upon the annexation of much of the land within this area.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		91,000				91,000
Engineering-Construction Services			76,000			76,000
Construction Costs			770,000			770,000
Land/ROW Acquisition		14,000				14,000
Total	105,000		846,000			951,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sewer Fund		105,000	846,000			951,000
Total	105,000		846,000			951,000

Budget Impact/Other

Since this is a new trunk sewer, it is not anticipated that there will be any maintenance required initially. It will be added to the routine pipe cleaning and inspection programs once the maintenance bond period has passed. However, being large diameter trunk sewer, this would have a lower frequency of maintenance and it would likely be hired out as the City does not have the equipment to televise this size of active sewer.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

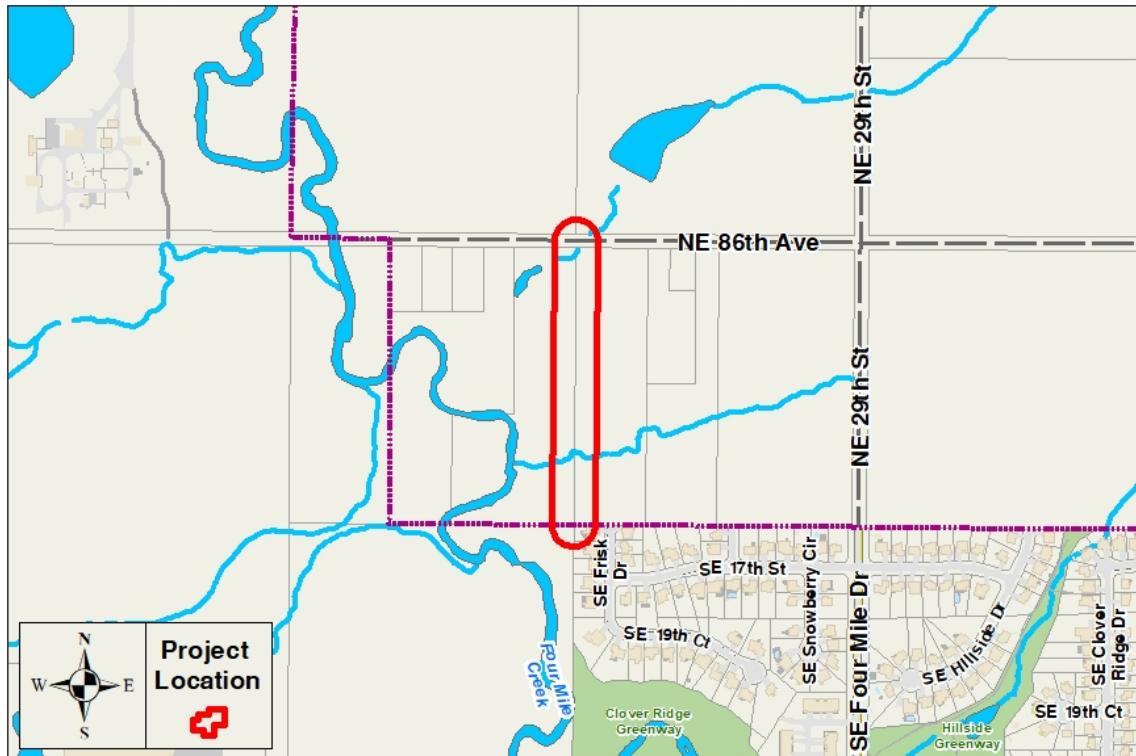
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-22-003

Project Name Clover Ridge Trunk Sewer Extension



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-22-004

Project Name Polk County Lift Station Decommissioning

Description

The project to decommission the Polk County Lift Station will include installation of approximately 2,850 LF of 12-inch sanitary sewer under Interstate 35 to connect existing manhole 23N 18 near the lift station to manhole 23N 3 south of SE Convenience Boulevard.

Justification

This lift station is currently owned and maintained by Polk County. The City has an agreement with the County to overtake the ownership and maintenance once the land this lift station supports is 75% or more developed within the City of Ankeny. With the growth and development that has occurred in this area, it will be the City's responsibility within the next couple of years. This project will connect an existing manhole near the lift station to an existing manhole east of Interstate 35 so the sanitary sewer will bypass the lift station via gravity flow.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		152,000				152,000
Engineering-Construction Services			152,000			152,000
Construction Costs			1,520,000			1,520,000
Land/ROW Acquisition		2,000				2,000
Total	154,000	1,672,000				1,826,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sewer Fund		154,000	1,672,000			1,826,000
Total	154,000	1,672,000				1,826,000

Budget Impact/Other

Since this is a new sewer, it is not anticipated that there will be any maintenance required initially. It will be added to the routine pipe cleaning and inspection programs once the maintenance bond period has passed.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

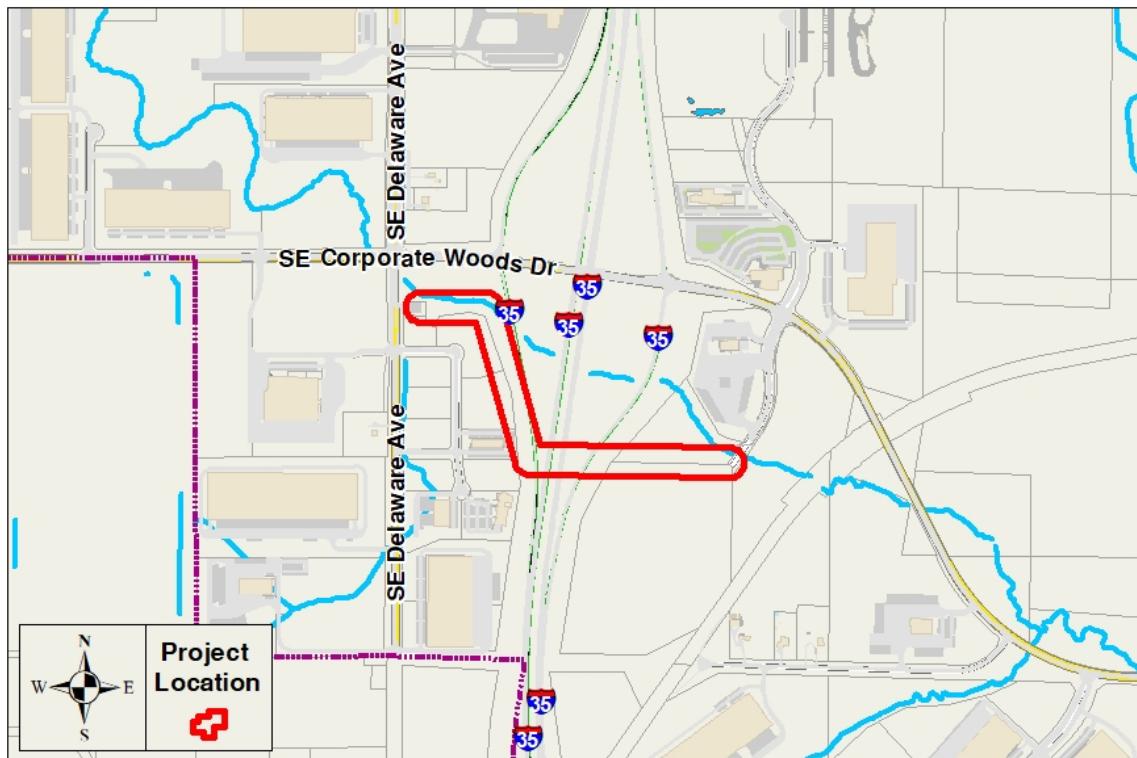
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # **SNS-22-004**

Project Name **Polk County Lift Station Decommissioning**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type Replacement

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-23-002

Project Name SW Irvinadele Drive Sanitary Sewer Replacement

Description

Installation of approximately 200 LF of 8" sanitary sewer west of SW Irvinadele Drive and south of West 1st Street. This replacement project will utilize open-cut construction.

Justification

This project is necessary due to a roughly 40% sag in the existing segment of pipe. Replacement is necessary in order to eliminate future backups and reduce the amount of maintenance the City currently performs on the line.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design			12,000			12,000
Engineering-Construction Services				10,000		10,000
Construction Costs				107,000		107,000
Land/ROW Acquisition				1,000		1,000
Total			12,000	118,000		130,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sewer Fund			12,000	118,000		130,000
Total			12,000	118,000		130,000

Budget Impact/Other

It is anticipated that construction of this project should have an immediate benefit to the sanitary sewer within this area by increasing system capacity, and reducing the frequency of basement backups. This should result in a reduced need for inspection and maintenance.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

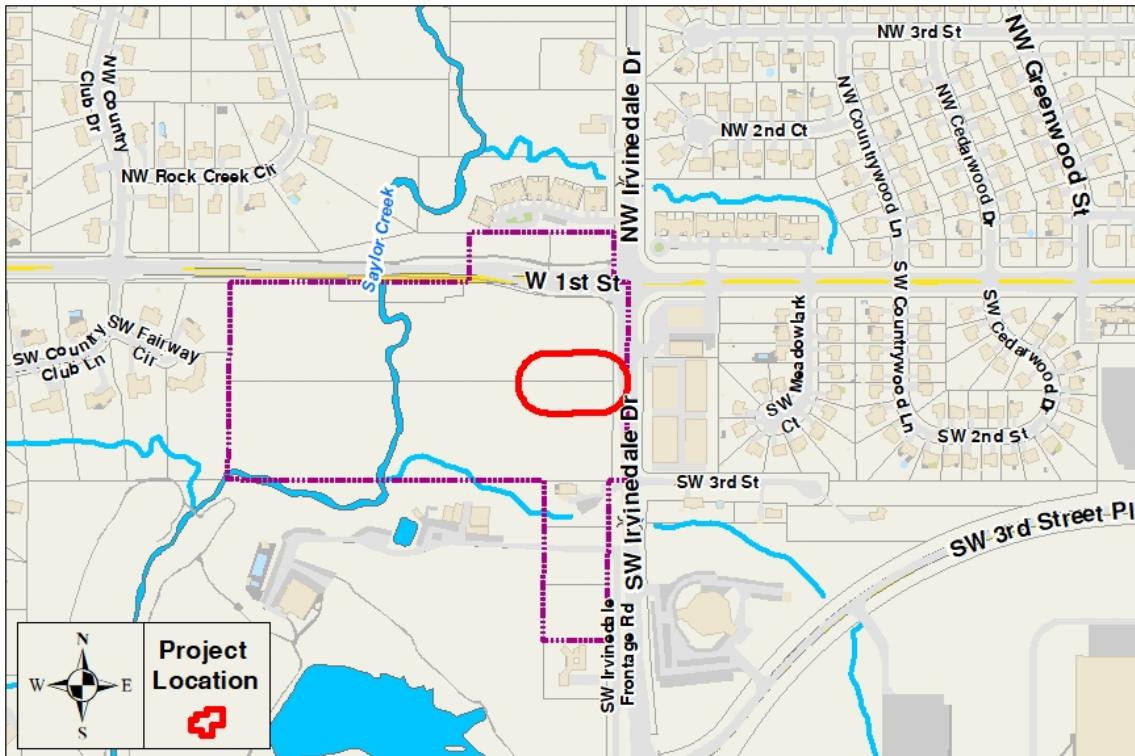
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-23-002

Project Name SW Irvinedale Drive Sanitary Sewer Replacement



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-23-003

Project Name Deer Creek Trunk Sewer Extension

Description

Install approximately 2,900 LF of 30-inch diameter sanitary trunk sewer from the existing 30-inch sanitary line from the south side of NE 18th Street to about 2,800 feet north of NE 18th Street.

Justification

This project is needed for future land to be annexed and developed north of NE 18th Street. This trunk line will serve a large portion of development land north of NE 18th Street and east of NE 29th Street (county) to the City's 2040 projected growth boundary.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design				216,000		216,000
Engineering-Construction Services					180,000	180,000
Construction Costs					1,805,000	1,805,000
Land/ROW Acquisition					24,000	24,000
Total				216,000	2,009,000	2,225,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sewer Fund				216,000	2,009,000	2,225,000
Total				216,000	2,009,000	2,225,000

Budget Impact/Other

Since this is new trunk sewer, it is not anticipated that there will be any maintenance required initially. It will be added to the routine pipe cleaning and inspection programs once the maintenance bond period has passed. However, being large diameter trunk sewer, this would have a lower frequency of maintenance and it would likely be hired out as the City does not have the equipment to televise this size of active sewer.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

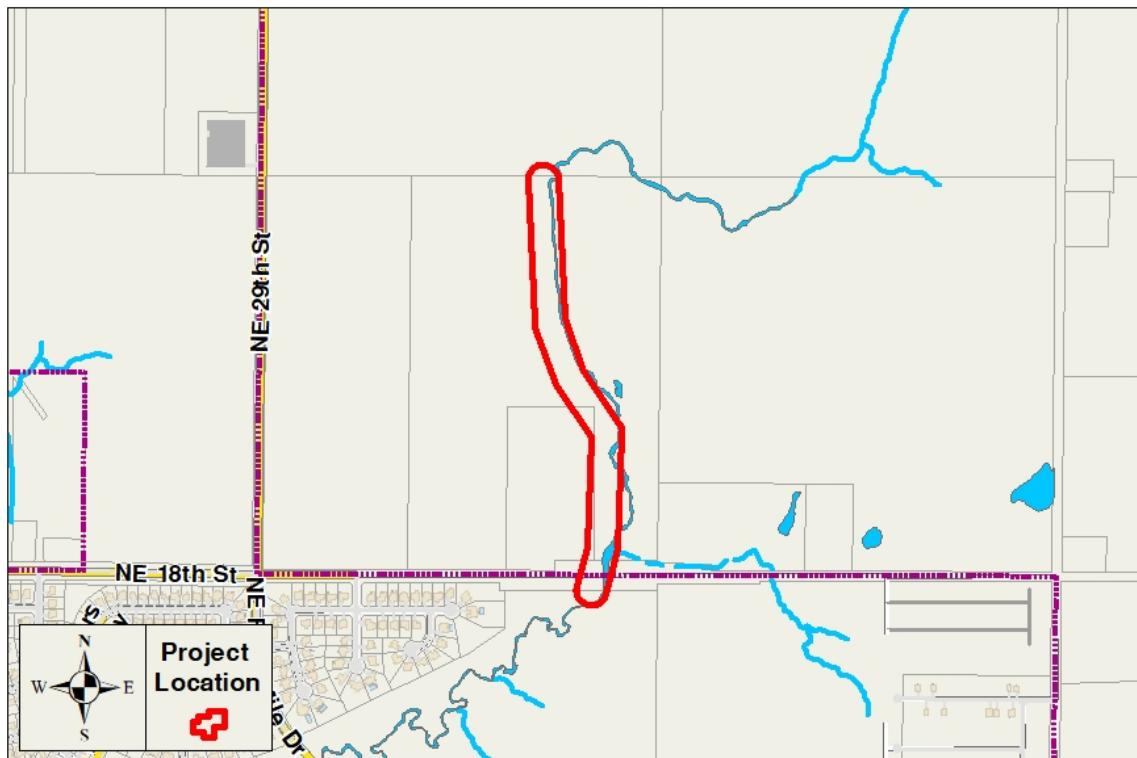
2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-23-003

Project Name Deer Creek Trunk Sewer Extension



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-24-001

Project Name Fire Station No. 4 Sanitary Sewer

Description

This project will construct approximately 1,950 LF of 8-inch sanitary sewer line from the intersection of NW 18th Street and NW Savannah Drive to the southeast corner of the Fire Station No. 4 property.

Justification

This project will be necessary if Savannah Plat 1 to the south of Fire Station No. 4 doesn't develop in 2024. If constructed, Savannah Plat 1, will provide the necessary sanitary sewer to serve Fire Station No. 4. This project is proposed in the event the developer doesn't move forward with their project and the City needs to install the sewer for proper sanitary service to Fire Station No. 4.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	130,000					130,000
Construction Costs	588,000					588,000
Land/ROW Acquisition	12,000					12,000
Total	730,000					730,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sewer Fund	730,000					730,000
Total	730,000					730,000

Budget Impact/Other

Since this is a new sewer, it is not anticipated that there will be any maintenance required initially. It will be added to the routine pipe cleaning and inspection programs once the maintenance bond period has passed.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

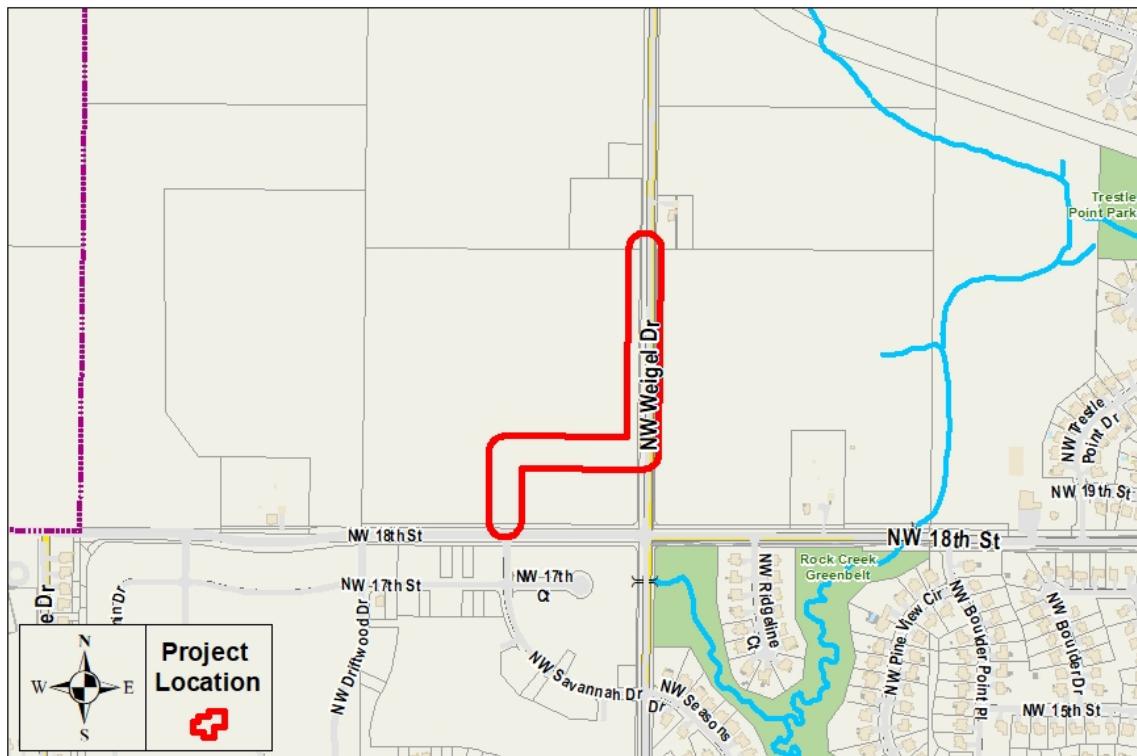
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-24-001

Project Name Fire Station No. 4 Sanitary Sewer



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-24-002

Project Name Four Mile Creek Trunk Sewer - Phase 2

Description

Install approximately 2,000 LF of 30-inch diameter sanitary trunk sewer from the Four Mile Creek Trunk Sewer – Phase 1 end limits to about 1,300 LF north of NE 62nd Street on the east side of North Ankeny Boulevard.

Justification

This project has become necessary due to recent development and annexations north of NE 54th Street. This trunk line will serve a large portion of developable land north of NE 54th Street.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	150,000					150,000
Construction Costs	2,100,000					2,100,000
Land/ROW Acquisition	25,000					25,000
Total	2,275,000					2,275,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	500,000					500,000
Sewer Fund	1,775,000					1,775,000
Total	2,275,000					2,275,000

Budget Impact/Other

Since this is a new trunk sewer, it is not anticipated that there will be any maintenance required initially. It will be added to the routine pipe cleaning and inspection programs once the maintenance bond period has passed. Being a large diameter trunk sewer, however, this would have a lower frequency of maintenance and it would likely be hired out as the City does not have equipment to televise this size of active sewer.

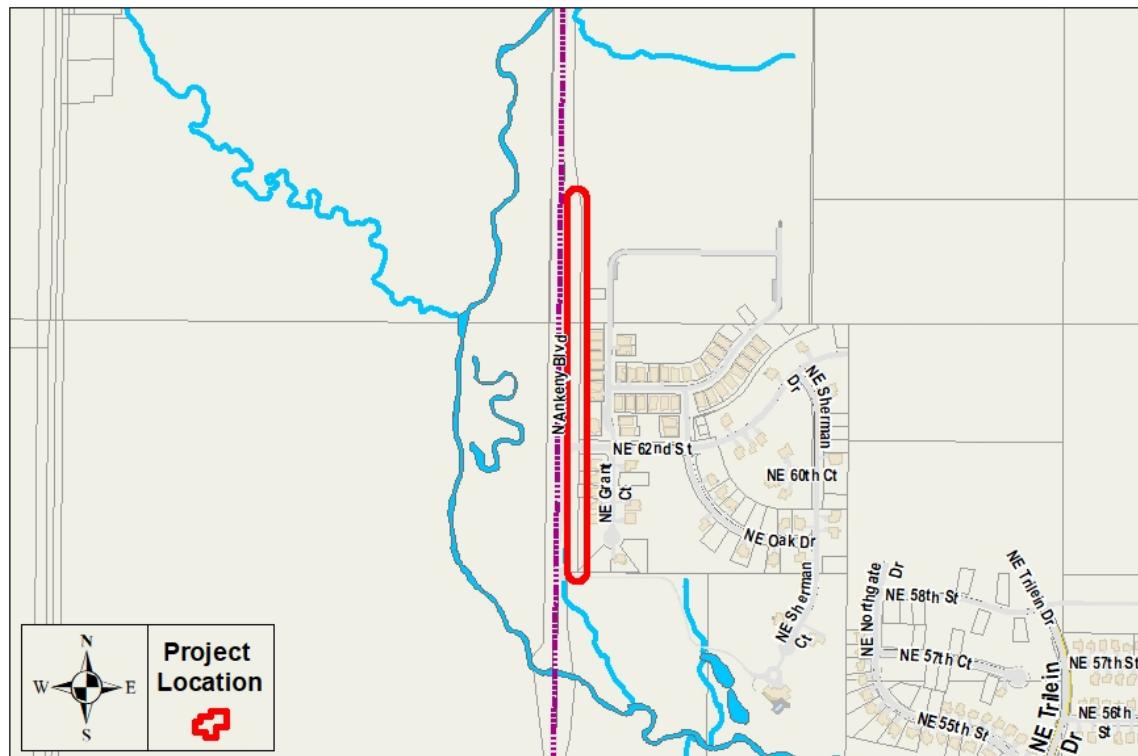
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Sewer Utility
Contact Municipal Utilities Director

Project # SNS-24-002

Project Name Four Mile Creek Trunk Sewer - Phase 2



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # STM-00-001

Project Name Annual Storm Water Replacement Program

Description

Annual allocation of capital improvement funds for repair and replacement of storm sewer pipes, structures, channels, etc. Specific projects, listed in order of priority, for 2024 include:

1. Replace storm sewer intakes and cross-run storm sewer pipes on SW Des Moines Street, at NW 9th Street and NW School Street intersection and at NW 5th Street and NW School Street intersection – \$155,000
2. Drainage improvements on North Creek Trail near North Creek Park – \$20,000
3. Repairs to a storm sewer outlet to Four Mile Creek – \$30,000
4. Maintenance and storm sewer improvements along Saylor Creek near Vintage Business Park and in the Vintage Greenway – \$200,000
5. Storm water conservation project to be designed and constructed in 2024 – \$10,000
6. Minor storm water management and storm sewer improvements and repairs (locations TBD) – \$35,000

Justification

The purpose of these projects is to repair or improve stormwater infrastructure and associated areas to manage storm water more effectively, stabilize and repair areas of erosion or structural issues, and/or address public safety concerns. The open cut repairs will repair or replace failed or damaged storm sewers and/or structures. Storm water conservation design projects will be added on City property to provide water quality improvements and serve as a demonstration for residents. Throughout the year, additional locations for minor storm water management and storm sewer improvements and repairs will likely be identified and need to be addressed.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	20,000	60,000	60,000	60,000	70,000	270,000
Construction Costs	430,000	390,000	390,000	390,000	430,000	2,030,000
Total	450,000	450,000	450,000	450,000	500,000	2,300,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	50,000	50,000				100,000
Storm Water Fund	400,000	400,000	450,000	450,000	500,000	2,200,000
Total	450,000	450,000	450,000	450,000	500,000	2,300,000

Budget Impact/Other

Repairing and improving the storm water management system will reduce the annual maintenance costs for the City because the Public Works Department will not have to continue regularly addressing the maintenance issues caused by deficiencies in the storm water management system.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	-10,000	-10,000	-12,000	-12,000	-14,000	-58,000
Total	-10,000	-10,000	-12,000	-12,000	-14,000	-58,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Storm Water Utility
Contact City Engineer

Project # **STM-00-001**

Project Name **Annual Storm Water Replacement Program**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # STM-19-004

Project Name Sawgrass Park Dam Improvements

Description

Improvements to address functionality, safety and associated issues with the Sawgrass Park Dam. The improvements will likely include grading to install an emergency overflow, outlet structure modification and slope armoring to reduce downstream risks.

Justification

The Sawgrass Park Dam was identified as deficient by the Iowa DNR in 2018 because the dam does not meet the Iowa DNR's current design criteria. Due to the dam's age, it likely did not need a permit when it was originally constructed. This project will improve the functionality of the upstream storm water detention basin by modifying the size of the outlet structure opening and providing a more efficient emergency overflow path. The downslope of the dam will likely be hard-armored to protect from slope failure if overtopping occurs in the future. These improvements will allow the dam to be in compliance with current Iowa DNR standards for low hazard dams.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	90,000					90,000
Engineering-Construction Services		30,000				30,000
Construction Costs		415,000				415,000
Total	90,000	445,000				535,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water Abated	90,000	445,000				535,000
Total	90,000	445,000				535,000

Budget Impact/Other

Improving the dam and the basin's outlet infrastructure will reduce the annual maintenance costs for the City because the Public Works and Parks & Recreation departments should not have to repair the dam's slope and the basin's outlet infrastructure.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			-500	-500	-500	-1,500
Total			-500	-500	-500	-1,500

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

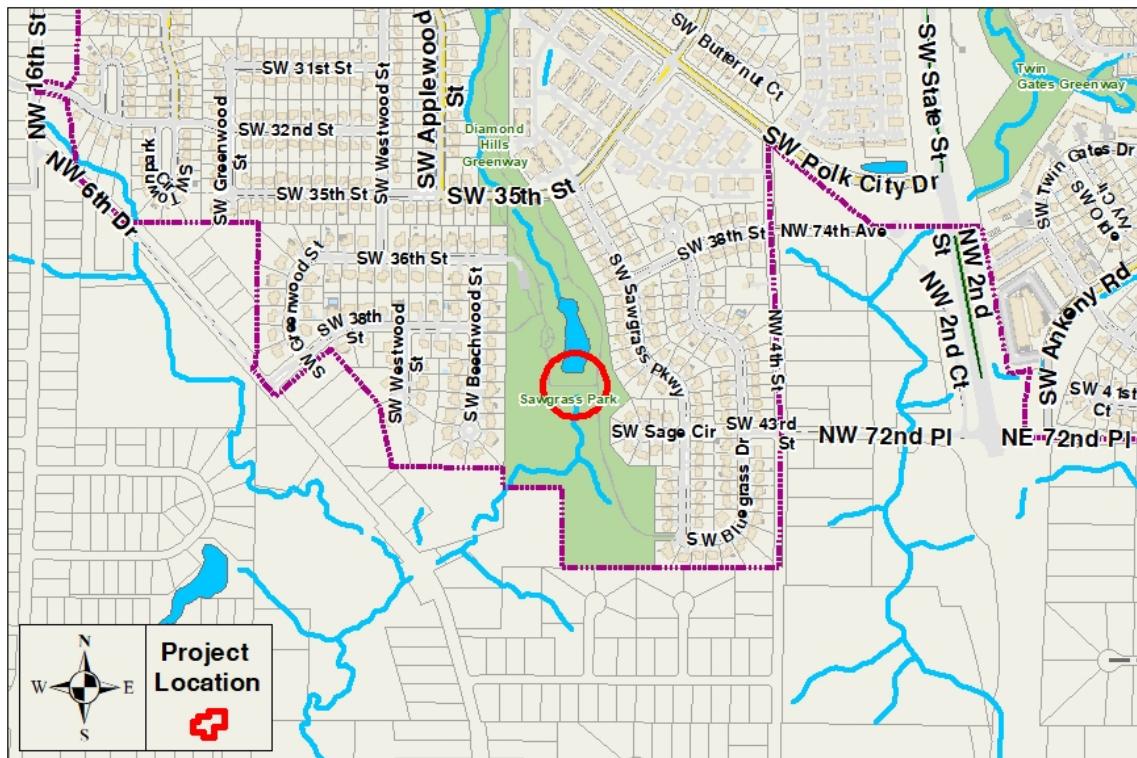
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-19-004**

Project Name **Sawgrass Park Dam Improvements**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # **STM-20-001**

Project Name **Four Mile Creek and Tributary Stabilization**

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Description

Improvements to address safety, capacity, functionality, sedimentation, erosion, and associated issues within Four Mile Creek between NE 47th Street and NE 54th Street and the tributary to Four Mile Creek east of St. James Place between NE 47th Street and NE 54th Street. The improvements may include clearing and grubbing to remove flow impediments and significant invasive tree growth; reshaping of the channel to establish stable slopes; reconnection to the floodplain; repairing and modifying an existing stormwater detention basin; repairing a horseshoe bend at risk of eroding and causing a shortened flow path; and establishing native/wetland plantings.

Justification

The purpose of this project is to stabilize the channel, repair gully erosion and a horseshoe meander, repair and modify a storm water detention basin, and repair outlet structures which have caused safety and functionality concerns. The project costs are shown for the permitting and final design in 2024, and construction scheduled in 2025 and 2026. This project is included in a Polk County led NRCS WFPO study to be completed in 2024, which is expected to result in 75% NRCS funding for construction observation and 50% NRCS funding for construction of the project.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	130,000					130,000
Engineering-Construction Services		160,000	145,000			305,000
Construction Costs		2,000,000	1,120,000			3,120,000
Total	130,000	2,160,000	1,265,000			3,555,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water Abated	130,000	1,040,000	596,300			1,766,300
Other Grants		1,120,000	668,700			1,788,700
Total	130,000	2,160,000	1,265,000			3,555,000

Budget Impact/Other

After the channel is improved, the annual maintenance costs for the City will be reduced because the Public Works Department will not have to perform spot repairs within the existing channel to protect infrastructure. Maintenance costs associated with the native vegetation however, will increase for several years after the project due to the labor and materials required to fully establish the native vegetation. The maintenance costs associated with establishing the native vegetation should reduce significantly three (3) years post construction.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs				20,000	20,000	40,000
Total				20,000	20,000	40,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

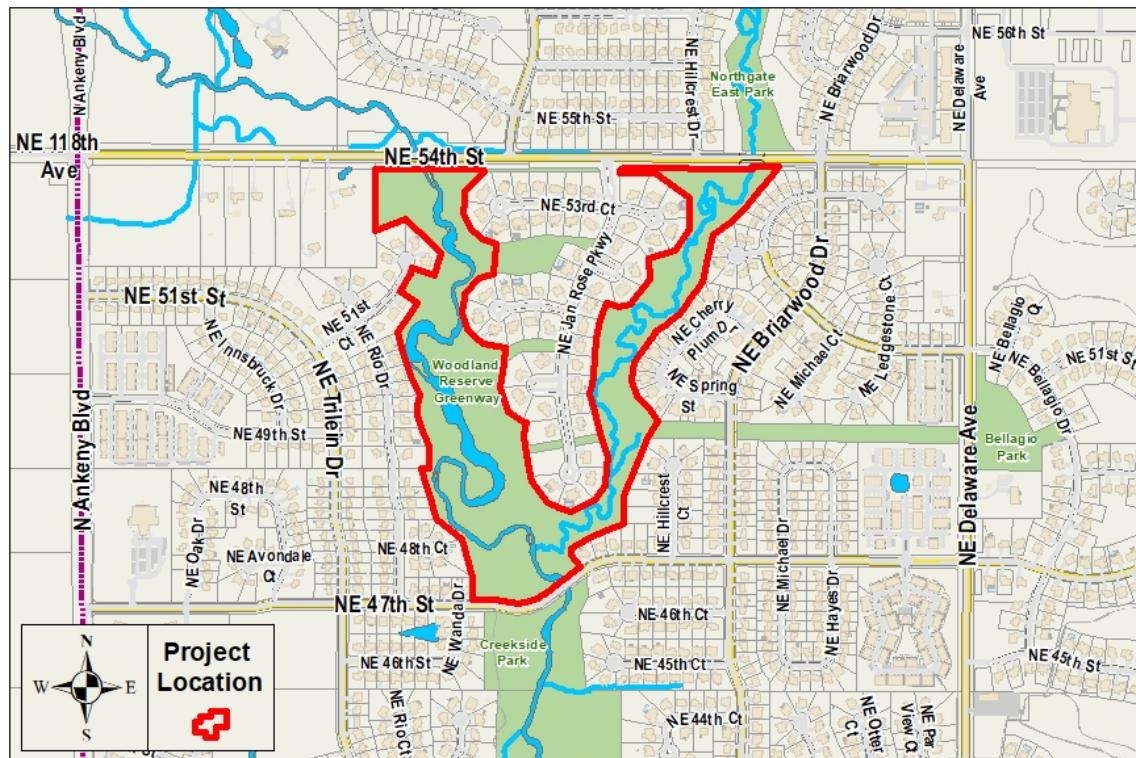
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-20-001

Project Name **Four Mile Creek and Tributary Stabilization**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STM-20-006

Project Name SE 3rd Street Area Trunk Storm Sewer Improvements

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Storm Water

Description

Construction of storm sewer infrastructure improvements in underserved sections of the SE 3rd Street area, which is located south of E 1st Street, north of SE Peterson Drive, east of South Ankeny Boulevard, and west of SE Sharon Drive. The proposed storm sewer infrastructure improvements will include footing drain/sump collector lines, storm sewer pipe, intakes, utility accesses, and related pavement removal and replacement necessary to install a trunk storm sewer along SE 3rd Street from S Ankeny Boulevard to SE Sharon Drive.

Justification

The purpose of the project is to address areas that lack storm sewer infrastructure or have known capacity issues within the existing storm sewer network. The June 30, 2018 extreme flash flooding event and other high intensity rainfall events in the past several years have demonstrated the need for adding storm sewer infrastructure in this low-lying area with poorly-drained soils. Adding sump collector lines and storm sewer will help reduce drainage issues and minor flooding on public and private properties. The project's proposed schedule includes construction in 2024 and 2025. The proposed storm sewer improvements on SE 3rd Street will need to be coordinated with the Municipal Utilities Department's proposed SE 3rd Street Trunk Sanitary Sewer replacement, between South Ankeny Boulevard and SE Sharon Drive, and water main replacement along SE 3rd Street. The 2024 and 2025 construction costs include approximately \$160,000 of water main improvements.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	40,000	15,000				55,000
Construction Costs	900,000	400,000				1,300,000
Total	940,000	415,000				1,355,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water Abated	540,000	15,000				555,000
Storm Water Fund	400,000	400,000				800,000
Total	940,000	415,000				1,355,000

Budget Impact/Other

In the long term, adding new storm sewer infrastructure to the City's storm water management system will reduce annual maintenance costs for the Public Works and Municipal Utilities departments, and it should reduce the amount of Storm Water Division staff time needed to address drainage issues and concerns in this area of the City.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			-2,000	-2,000	-2,000	-6,000
Total			-2,000	-2,000	-2,000	-6,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

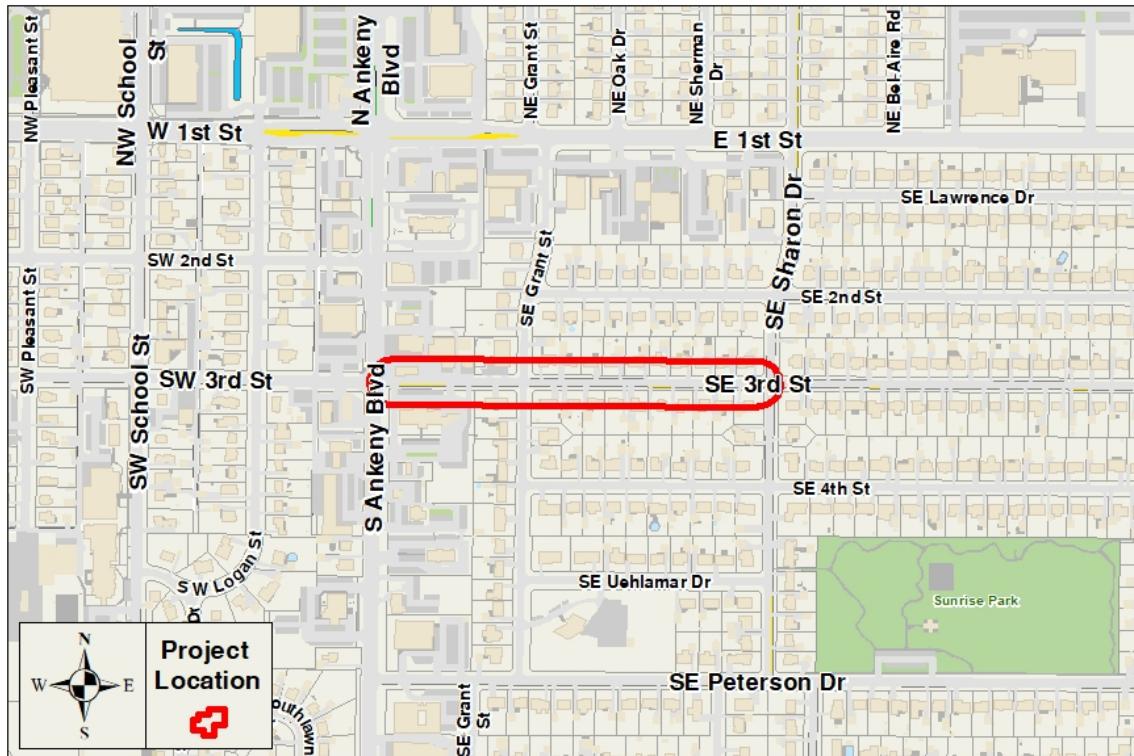
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-20-006**

Project Name **SE 3rd Street Area Trunk Storm Sewer Improvements**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Storm Water

Project # STM-21-001

Project Name SE 3rd St Area Collection Storm Sewer Improvements

Description

Construction of storm sewer infrastructure improvements in underserved sections of the SE 3rd Street area, which is located south of E 1st Street, north of SE Peterson Drive, east of S Ankeny Boulevard, and west of SE Trilein Drive. The proposed storm sewer infrastructure improvements will include footing drain/sump collector lines, storm sewer pipe, and associated intakes, utility accesses, and related pavement removal and replacement necessary to install collection storm sewer in the area. The proposed improvements schedule will include constructing new storm sewer along SE 4th Street from SE Grant Street to SE Sharon Drive and along SE Lawrence Drive from SE Sharon Drive to SE Trilein Drive in 2026. New storm sewer along SE Uehlamar Drive from SE Grant Street to SE Sharon Drive and along SE 2nd Street from SE Sharon Drive to SE Trilein Drive is being proposed for construction in 2027.

Justification

The purpose of the project is to address areas that lack storm sewer infrastructure or have known capacity issues within the existing storm sewer network. The June 30, 2018 extreme flash flooding event and other high intensity rainfall events in the past several years have demonstrated the need for adding storm sewer infrastructure in this low-lying area with poorly-drained soils. Adding sump collector lines and storm sewer will help reduce drainage issues and minor flooding on public and private properties. The project's proposed schedule includes survey and design work in 2025 through 2026 and construction of the projects in 2026 through 2027. The construction cost estimate for 2026 includes \$100,000 of water main replacement (upgrade existing 4-inch to new 8-inch) along SE 4th Street.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		190,000	210,000			400,000
Construction Costs			1,210,000	1,330,000		2,540,000
Total	190,000	1,420,000	1,330,000			2,940,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water		190,000	1,020,000	930,000		2,140,000
Abated						
Storm Water Fund			400,000	400,000		800,000
Total	190,000	1,420,000	1,330,000			2,940,000

Budget Impact/Other

In the long term, adding new storm sewer infrastructure to the City's storm water management system will reduce annual maintenance costs for the Public Works and Municipal Utilities departments, and it should reduce the amount of Storm Water Division staff time needed to address drainage issues and concerns in this area of the City.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs				-1,000	-2,000	-3,000
Total				-1,000	-2,000	-3,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

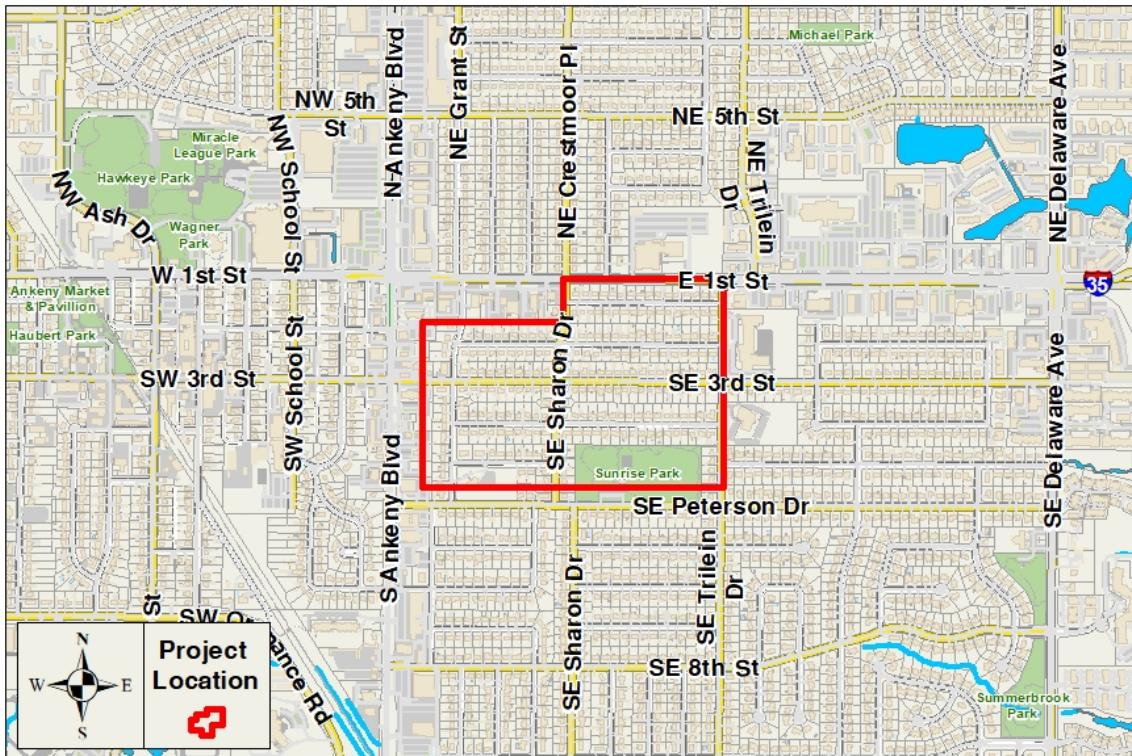
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-21-001

Project Name SE 3rd St Area Collection Storm Sewer Improvements



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STM-22-002

Project Name Diamond Hills Greenway Stream Stabilization

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Description

Comprehensive improvements to address safety, capacity, functionality, sedimentation, erosion, and associated issues within a tributary to Saylor Creek, between SW Applewood Street and Sawgrass Park. The improvements will include clearing and grubbing to remove flow impediments and provide access to culverts for maintenance; reshaping the channel to establish stable slopes; re-establishing the channel bottom; providing toe protection; repairing gully erosion; repairing undermined outlet structures; extending storm sewer; and where possible, establishing native/wetland plantings. Temporary easements may need to be acquired in conjunction with this project.

Justification

The purpose of this project is to stabilize the channel, repair gully erosion, and extend and repair outlet structures which have caused safety and functionality concerns. The project costs are shown for the concept study, preliminary design, and survey in 2025, design in 2026, and construction in 2027.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		75,000	75,000			150,000
Engineering-Construction Services				80,000		80,000
Construction Costs				1,530,000		1,530,000
Total	75,000	75,000	1,610,000			1,760,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water Abated		75,000	75,000	1,610,000		1,760,000
Total	75,000	75,000	1,610,000			1,760,000

Budget Impact/Other

After the channel is improved, the annual maintenance costs for the City will be reduced because the Public Works Department will not have to perform spot repairs within the existing channel to protect infrastructure.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

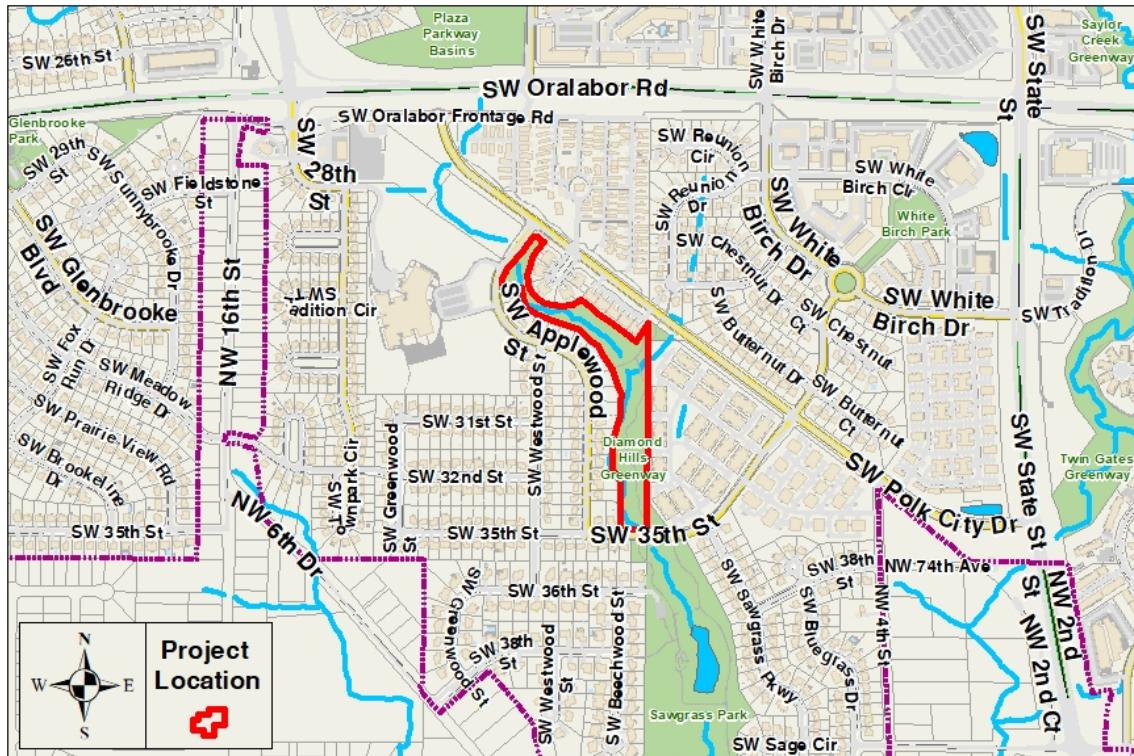
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-22-002

Project Name **Diamond Hills Greenway Stream Stabilization**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # **STM-22-003**

Project Name **Four Mile Creek Channel Stabilization-East 1st St**

Description

Improvements to address safety, functionality, sedimentation, erosion, and associated issues within Four Mile Creek, located downstream of E 1st Street for approximately one-quarter (¼) of a mile. The improvements may include clearing and grubbing; reshaping the channel to establish stable slopes; reconnection to the floodplain; re-establishing the channel bottom; providing toe protection; repairing gully erosion; repairing undermined outlet structures; and where possible, establishing native/wetland plantings. Permanent drainage easements may need to be acquired in conjunction with this project.

Justification

The purpose of this project is to stabilize the channel, repair gully erosion, extend and repair outlet structures which have caused safety and functionality concerns. The project costs are shown for the survey and preliminary design to be completed in 2027, permitting to be completed in 2027 through 2028, final design in 2028, and construction in 2029. This project is included in a Polk County led NRCS WFPO study to be completed in 2024, which is expected to result in 50% NRCS funding for design (not including permitting), 75% NRCS funding for construction observation and 50% NRCS funding for construction of the project. The construction cost estimate is \$1,320,000 for 2029.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design					150,000	150,000
Survey/Preliminary Analysis				160,000		160,000
Total				160,000	150,000	310,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water				95,000	90,000	185,000
Abated						
Other Grants				65,000	60,000	125,000
Total				160,000	150,000	310,000

Budget Impact/Other

After the channel is improved, the annual maintenance costs for the City will be reduced because the Public Works Department will not have to perform spot repairs within the existing channel to protect infrastructure.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

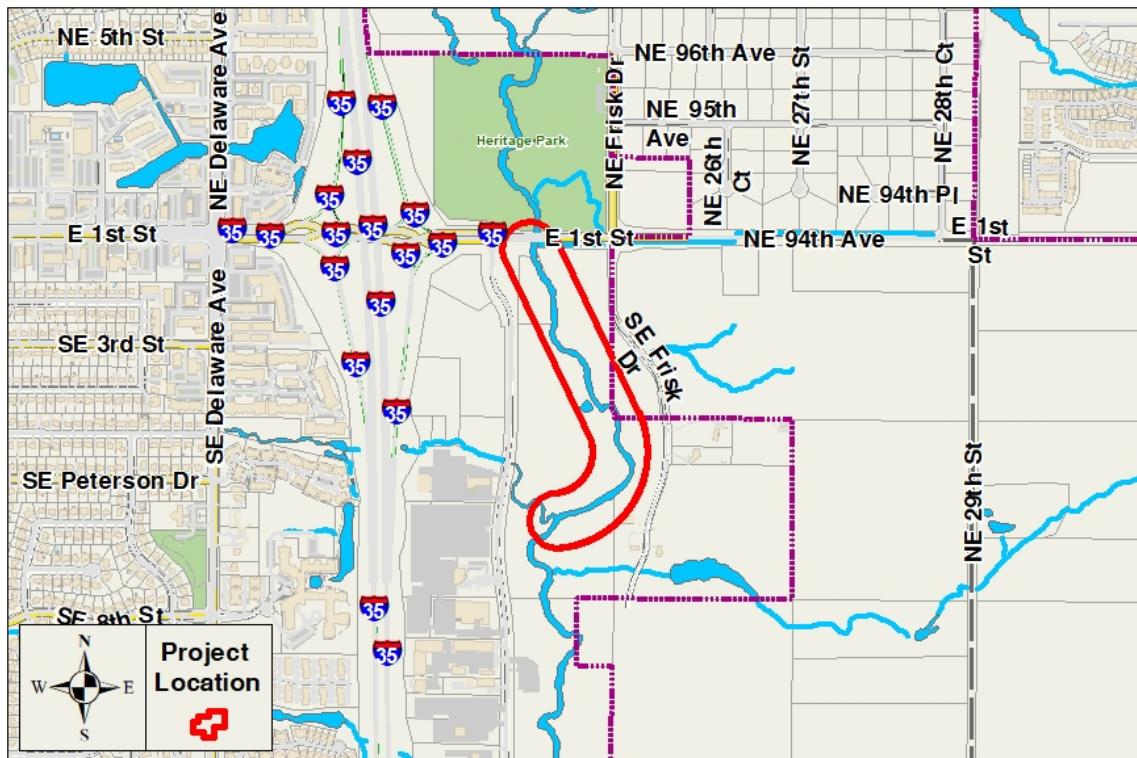
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-22-003**

Project Name **Four Mile Creek Channel Stabilization-East 1st St**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STM-22-004

Project Name Four Mile Creek Channel Stabilization-NE 36th St

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Description

Improvements to address safety, functionality, sedimentation, erosion, and associated issues within Four Mile Creek, between NE 36th Street and NE 47th Street. The improvements may include clearing and grubbing; reshaping the channel to establish stable slopes; reconnection to the floodplain; re-establishing the channel bottom; providing toe protection; repairing gully erosion; repairing undermined outlet structures; and where possible, establishing native/wetland plantings. Permanent drainage easements may need to be acquired in conjunction with this project.

Justification

The purpose of this project is to stabilize the channel, repair gully erosion, and repair outlet structures which have caused safety and functionality concerns. The project costs are shown for the survey and preliminary design to be completed in 2027, permitting to be completed in 2027 through 2028, final design in 2028, and construction in 2029. This project is included in a Polk County led NRCS WFPO study to be completed early 2023, which is expected to result in 50% NRCS funding for design (not including permitting), 75% NRCS funding for construction observation and 50% NRCS funding for construction of the project. The construction cost estimate is \$2,265,000 for 2029.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design					260,000	260,000
Survey/Preliminary Analysis				270,000		270,000
Total				270,000	260,000	530,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water				165,000	155,000	320,000
Abated						
Other Grants				105,000	105,000	210,000
Total				270,000	260,000	530,000

Budget Impact/Other

After the channel is improved, the annual maintenance costs for the City will be reduced because the Public Works Department will not have to perform spot repairs within the existing channel to protect infrastructure.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

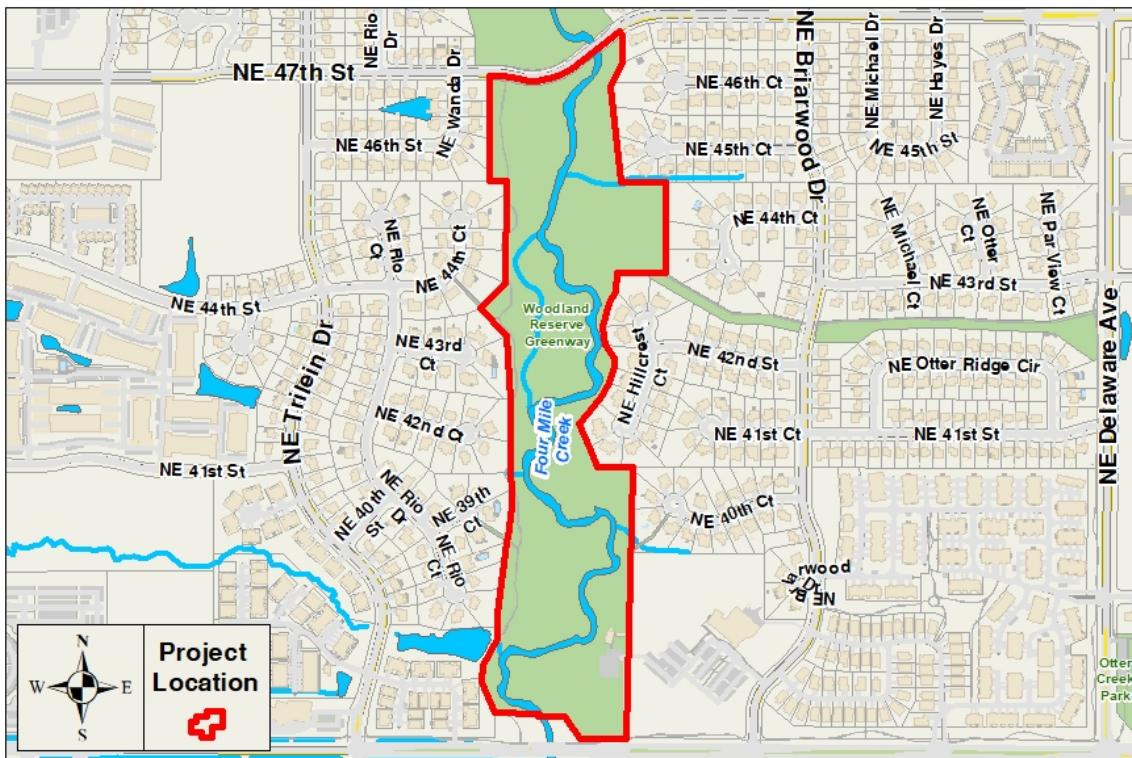
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-22-004

Project Name Four Mile Creek Channel Stabilization-NE 36th St



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STM-22-005

Project Name Saylor Creek Tributary Channel Improvements

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Description

Comprehensive improvements to address safety, capacity, functionality, sedimentation, erosion, and associated issues within a tributary to Saylor Creek, between SW State Street and SW Oralabor Road. The improvements may include clearing and grubbing to remove flow impediments; reshaping the channel to establish stable slopes; reconnection to the floodplain; re-establishing the channel bottom; providing toe protection; repairing gully erosion; repairing undermined outlet structures; and where possible, establishing native/wetland plantings. Permanent drainage easements may need to be acquired in conjunction with this project.

Justification

The purpose of this project is to stabilize the channel, repair gully erosion, and repair outlet structures which have caused safety and functionality concerns. The project costs are shown for the concept study, survey and preliminary design to be completed in 2026; and the final design and permitting in 2027. Construction (including construction engineering) is anticipated to occur in 2028, and the estimated construction cost is \$3,400,000.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design				210,000		210,000
Engineering-Construction Services					400,000	400,000
Construction Costs					3,000,000	3,000,000
Survey/Preliminary Analysis		190,000				190,000
Total		190,000	210,000	3,400,000	3,800,000	
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water			190,000	210,000	3,000,000	3,400,000
Abated						
Storm Water Fund					400,000	400,000
Total		190,000	210,000	3,400,000	3,800,000	

Budget Impact/Other

After the channel is improved, the annual maintenance costs for the City will be reduced because the Public Works Department will not have to perform spot repairs within the existing channel to protect infrastructure.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-22-005**

Project Name **Saylor Creek Tributary Channel Improvements**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # **STM-23-001**

Project Name **Four Mile Channel Stabilization-Heritage Park**

Description

Improvements to address safety, functionality, sedimentation, erosion and associated issues within Four Mile Creek, located through Heritage Park. The improvements may include clearing and grubbing; reshaping the channel to establish stable slopes; reconnection to the floodplain; re-establishing the channel bottom; providing toe protection; repairing gully erosion; repairing undermined outlet structures; and where possible, establishing native/wetland plantings. Permanent drainage easements may need to be acquired in conjunction with this project.

Justification

The purpose of this project is to stabilize the channel, repair gully erosion, extend and repair outlet structures which have caused safety and functionality concerns. The project costs are shown for the survey and preliminary design to be completed in 2027, permitting to be completed in 2027 through 2028, final design in 2028, and construction in 2029. This project is included in a Polk County led NRCS WFPO study to be completed in 2024, which is expected to result in 50% NRCS funding for design (not including permitting), 75% NRCS funding for construction observation, and 50% NRCS funding for construction of the project. The construction cost estimate is \$770,000.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design					90,000	90,000
Survey/Preliminary Analysis				95,000		95,000
Total				95,000	90,000	185,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water				45,000	40,000	85,000
Abated						
Other Grants				50,000	50,000	100,000
Total				95,000	90,000	185,000

Budget Impact/Other

After the channel is improved, the annual maintenance costs for the City will be reduced because the Public Works Department will not have to perform spot repairs within the existing channel to protect infrastructure.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

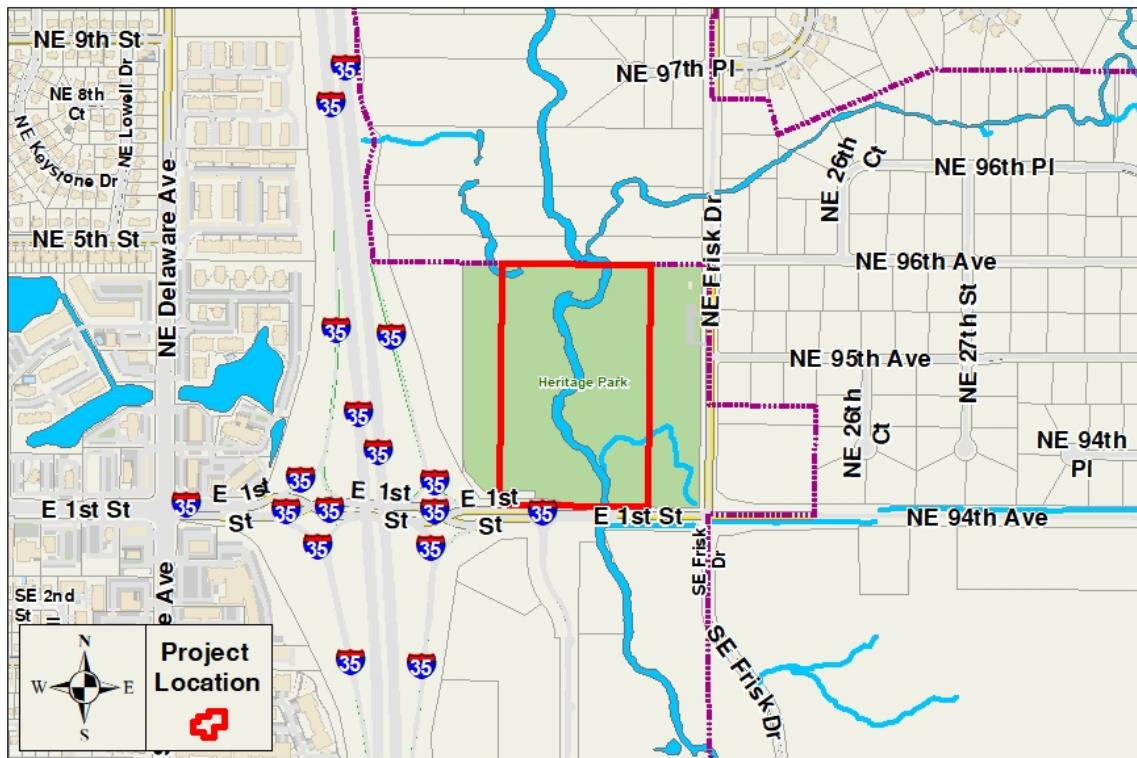
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-23-001**

Project Name **Four Mile Channel Stabilization-Heritage Park**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STM-24-001

Project Name NW 17th St Storm Sewer and Pavement Improvements

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Storm Water

Description

Replace deteriorated storm sewer intakes and storm sewer pipes on NW 17th Street between the 2400 block of NW 17th Street and the 1300 block of NW Linden Street. Pavement reconstruction with rock subbase and longitudinal subdrains will also be included within the limits of the storm sewer improvements.

The breakdown of the estimated project costs are as follows:

- \$390,000 (approximately 42%) of the total project cost is associated with the stormwater infrastructure improvements.
- \$530,000 (approximately 58%) of the total project cost is associated with the street pavement infrastructure improvements.

Justification

The storm sewer intake structures and storm sewer pipes within the project limits have been identified by City staff as needing to be replaced in the near term. Many of the structures have significant cracks, voids, and eroded bases. In addition, the pavement within the project limits was identified by the Iowa Pavement Management Program (IPMP) 2021 City PCI Ratings as being in “poor” condition. It is assumed the engineering design and construction inspection for the project will be primarily completed by Public Works Stormwater Division staff, with some work (such as construction surveying and staking) being completed by an engineering consultant.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs		890,000				890,000
Survey/Preliminary Analysis	20,000	10,000				30,000
Total	20,000	900,000				920,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	11,600	522,000				533,600
G.O. Bonds - Storm Water Abated	8,400	378,000				386,400
Total	20,000	900,000				920,000

Budget Impact/Other

The storm sewer replacement work will reduce the annual maintenance costs for the City because the Public Works Department will not have to repair existing storm sewer intakes and pipes. Also, the pavement replacement will reduce the annual maintenance costs for the City because the Public Works Department will not have to do less effective preventative maintenance (e.g. cold patching) on the existing pavement.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			-6,000	-6,000	-6,000	-18,000
Total			-6,000	-6,000	-6,000	-18,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

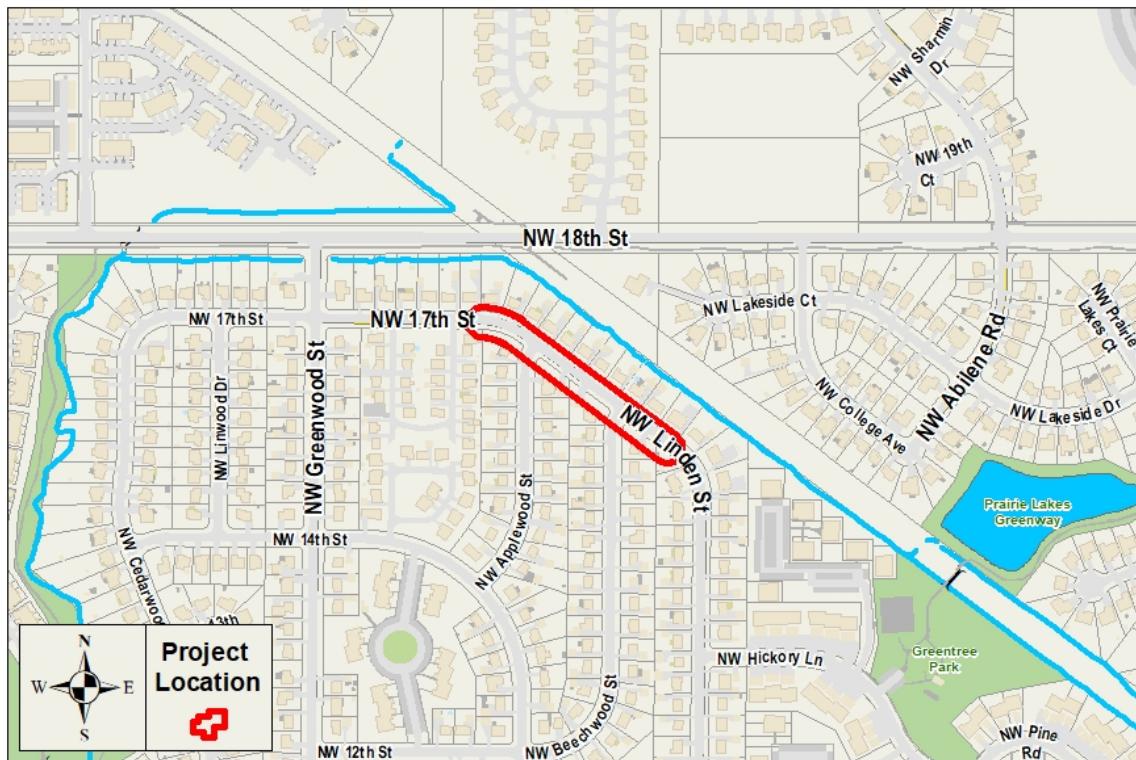
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-24-001**

Project Name **NW 17th St Storm Sewer and Pavement Improvements**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STM-24-002

Project Name SW Des Moines Street Utility Improvements

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Storm Water

Description

Construction of storm sewer infrastructure improvements along SW Des Moines Street between SW Kenworthy Drive and SW Ordnance Road. The project will include replacing the existing sanitary sewer and constructing a new sanitary sewer at a lower depth; replacing the existing 4" water main with 8" water main; constructing footing drain/sump pump collector lines; and replacing the existing 30' wide street with new 31' wide PCC pavement and associated driveway and sidewalk replacement. The proposed project will be coordinated with the Municipal Utilities Department.

Justification

The primary purpose of this project is to replace the existing storm sewer infrastructure that was constructed in the 1940's and 1950's and has significantly deteriorated. Adding sump pump collector lines and storm sewer will help reduce drainage issues and minor flooding on public and private properties. Replacing the existing sanitary sewer at a lower depth will help reduce maintenance issues with the sanitary sewer. Replacing the existing water main with 8-inch PVC will provide adequate fire flows and help reduce maintenance issues. The existing right-of-way along the project corridor varies from 49 to 58 feet. Additional right-of-way would need to be acquired to have a uniform right-of-way width. The pavement within the project limits was identified by the Iowa Pavement Management Program (IPMP) 2021 City PCI Ratings as being in "poor" condition. The proposed project schedule includes design work in 2024, with construction in 2025 (assumed 75% of the overall) and 2026 (assumed 25% of the overall). The construction cost estimate includes approximately \$300,000 for storm sewer improvements, \$300,000 for sanitary sewer improvements, and \$300,000 for water main improvements. The estimated cost to replace the street, sidewalks, and driveways is approximately 35% of the total estimated construction cost. The funding breakdown proposed for this project is 33.33% stormwater, 33.34% sanitary sewer, and 33.33% water funds.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	190,000					190,000
Engineering-Construction Services		90,000	30,000			120,000
Construction Costs			1,425,000	475,000		1,900,000
Land/ROW Acquisition	45,000					45,000
Total	235,000	1,515,000	505,000			2,255,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - Storm Water Abated	78,333	505,000	168,333			751,666
Sewer Fund	78,334	505,000	168,334			751,668
Water Fund	78,333	505,000	168,333			751,666
Total	235,000	1,515,000	505,000			2,255,000

Budget Impact/Other

In the long term, replacing the deteriorated storm sewer infrastructure, the sanitary sewer, water main, and street pavement will reduce annual maintenance costs for the Public Works and Municipal Utilities Departments.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs				-9,000	-9,000	-18,000
Total				-9,000	-9,000	-18,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

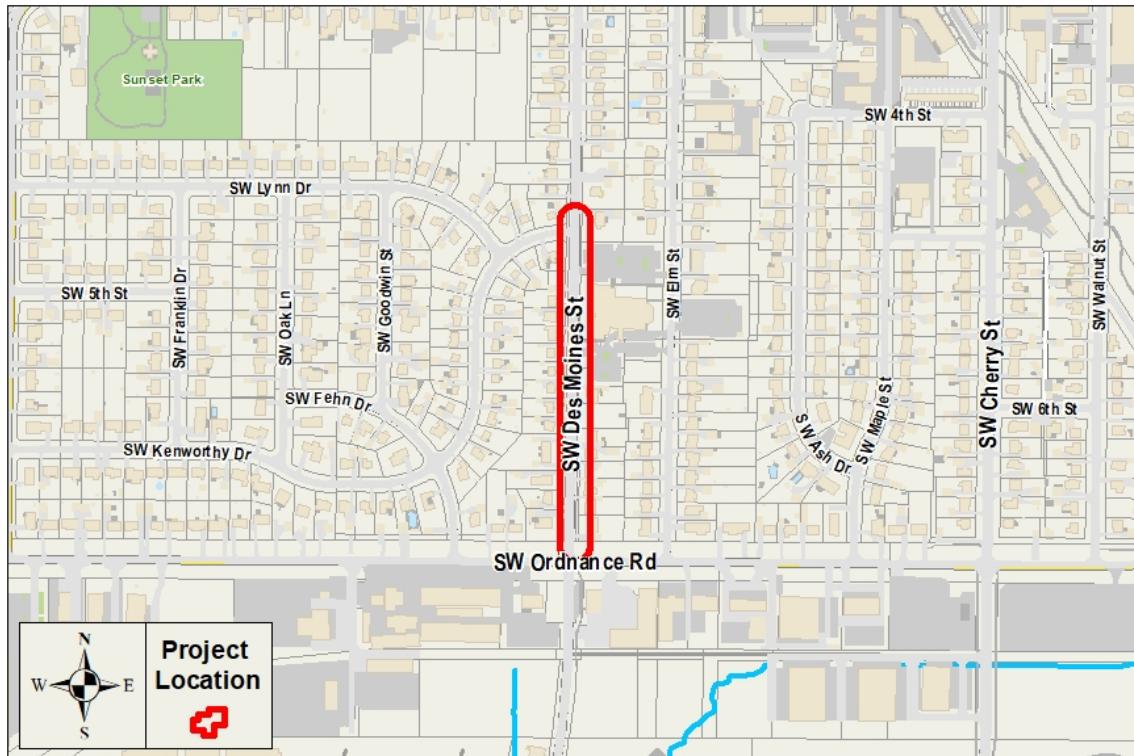
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-24-002**

Project Name **SW Des Moines Street Utility Improvements**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department	Public Works
Contact	City Engineer
Type	Maintenance
Useful Life	20 years
Category	Streets and Alleys

Project # STR-00-001

Project Name Annual PCC Street Patching Program

Description

This program includes both small-scale and large-scale PCC street patches on local, collector, and arterial streets along with manhole boxout repairs throughout the City. The Annual PCC Street Patching Program is designed and inspected in-house by Public Works Engineering Division staff. Patching locations are selected based on an annual field assessment of existing deteriorated street conditions.

The Annual PCC Street Patching Program, along with the Annual Sanitary Sewer Replacement Program and the Annual Water Main Replacement Program, also funds one-third of the annual neighborhood utility improvements projects. These include:

•1/3 NW Northlawn Area Utility Improvements (2 of 4 phases remaining):

o2024 - \$600,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)

o2025 - \$650,000 (Phase 4 construction) and \$25,000 (Phase 4 construction engineering)

•1/3 Westlawn Place Area Utility Improvements (number of phases TBD, potentially 6 to 8):

o2024 - \$100,000 (stormwater study, survey, and preliminary conceptual design)

o2025 - \$50,000 (final conceptual design and Phase 1 design engineering)

o2026 - \$700,000 (Phase 1 construction) and \$25,000 (Phase 1 construction engineering) and \$25,000 (Phase 2 design engineering)

o2027 - \$750,000 (Phase 2 construction) and \$25,000 (Phase 2 construction engineering) and \$25,000 (Phase 3 design engineering)

o2028 - \$800,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)

Justification

The Annual PCC Street Patching Program addresses the most critical street defects on the City's streets. Once the condition of the deteriorated streets is beyond being maintained by preventative measures such as joint preservation and partial depth repair, it becomes very important to maintain the older streets as they continue to deteriorate over time in order to delay cost-prohibitive full street reconstruction. The types of patching included with the annual patching project range from small-scale isolated patches (three panels or less) to large-scale truss screed patches (up to one city block in length). The funding allocated for the Annual PCC Street Patching Program included within the table below assumes a \$900,000 patching project in 2024 with incremental \$50,000 increases each year to \$1,100,000 in 2028.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	25,000	50,000	25,000	25,000	25,000	150,000
Engineering-Construction Services	25,000	25,000	25,000	25,000	25,000	125,000
Construction Costs	1,500,000	1,600,000	1,700,000	1,800,000	1,900,000	8,500,000
Survey/Preliminary Analysis	100,000					100,000
Total	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	8,875,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	8,875,000
Total	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	8,875,000

Budget Impact/Other

The utility and pavement improvement projects will replace and upgrade existing sanitary sewer, water main, storm sewer, and pavement infrastructure which will reduce annual maintenance costs for the City's Public Works and Municipal Utilities Departments. The street patching will extend the service life of existing concrete streets and reduce annual maintenance costs for the City because the Public Works Department will not have to do less effective maintenance (e.g. asphalt cold patching) on the existing pavements.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	-60,000	-72,000	-84,000	-96,000	-108,000	-420,000
Total	-60,000	-72,000	-84,000	-96,000	-108,000	-420,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # **STR-00-001**

Project Name **Annual PCC Street Patching Program**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	20 years
Category	Streets and Alleys

Project # STR-00-002

Project Name Annual Asphalt Street Resurfacing Program

Description

The Annual Asphalt Street Resurfacing Program historically focused on the HMA overlay of old Polk County rural roadways that were annexed within the City of Ankeny corporate limits. Recent projects have focused on overlaying existing asphalt streets within the interior of the City. These projects are typically designed and construction administered by Public Works Engineering Division staff. This program also funds cost-sharing of asphalt overlays with Polk County on roadways jointly administered by the County and the City. The 2023 Pavement Management Study and Master Plan will aid in determining future projects.

The specific projects for 2024 include:

- SW Ordnance Road from 500 feet east of SW Westview Drive to 100 feet west of SW Maple Street, HMA overlay (\$375,000 construction)
- NE Frisk Drive from East 1st Street to NE 18th Street, HMA overlay (\$100,000 cost share with Polk County)

Potential future projects:

- 2025: SW Ordnance Road from SW State Street to 500 feet east of SW Westview Drive, HMA overlay with miscellaneous PCC patching (\$300,000 construction)
- 2025: NW 54th Street from west corporate limits to U.S. Highway 69, HMA overlay (\$75,000 cost share with Polk County)
- SW Goodwin Street, HMA paving of existing granular street (\$150,000 construction)
- Public alleyways between SW Cherry Street and SW Walnut Street, from West 1st Street to SW 3rd Street, HMA overlay
- NW 5th Street from NW Weigel Drive to NW Irvinadele Drive – HMA overlay or slurry level
- NE Delaware Avenue from NE 36th Street to NE 54th Street – HMA overlay or slurry level
- SE Oralabor Road from 250 feet east of SE Four Mile Drive to bridge over Four Mile Creek – HMA overlay
- SW Polk City Drive from Oralabor Frontage Drive to SW State Street – HMA overlay

Justification

Significant progress has been made on overlaying existing asphalt rural roadways along the exterior of the City. Public Works staff has identified potential projects in the interior of the City that could benefit from the annual HMA program by overlaying existing asphalt streets.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	475,000	375,000	375,000	375,000	375,000	1,975,000
Total	475,000	375,000	375,000	375,000	375,000	1,975,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	100,000					100,000
G.O. Bonds	375,000	375,000	375,000	375,000	375,000	1,875,000
Total	475,000	375,000	375,000	375,000	375,000	1,975,000

Budget Impact/Other

This program will extend the service life of existing asphalt streets and reduce annual maintenance costs for the City because the Public Works Department will not have to do less effective preventative maintenance (e.g. cold patching) on the existing pavements.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	-12,000	-14,000	-16,000	-18,000	-20,000	-80,000
Total	-12,000	-14,000	-16,000	-18,000	-20,000	-80,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # **STR-00-002**

Project Name **Annual Asphalt Street Resurfacing Program**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department	Public Works
Contact	City Engineer
Type	Maintenance
Useful Life	20 years
Category	Streets and Alleys

Project # STR-00-003

Project Name Annual Pavement Preservation Program

Description

The Annual Pavement Preservation Program addresses the need for routine, preventative maintenance of the existing concrete streets within Ankeny. The pavement preservation work consists of:

• Pavement Crack and Joint Preservation project for sawing, cleaning, and refilling of existing cracks and joints:
2024 – \$325,000 (construction) with incremental \$25,000 increases to \$425,000 in 2028.

• Partial Depth Repair (PDR) Patching project for approximately 12-inch wide concrete pavement (adjacent to and including joints) that has deteriorated beyond the point of less expensive joint repair:
2024 – \$375,000 (construction) with incremental \$25,000 increases to \$475,000 in 2028.

Public Works Engineering Division staff completes the design and administers the construction for this program. Locations of the crack and joint refilling and also the partial depth repairs are determined by Engineering Division staff based on an annual field assessment of existing deteriorated street conditions throughout the City.

Justification

This program is very important in extending the useful life and improving the aesthetics of the City's concrete streets. Public Works Engineering Division staff completes the design and administers the construction for this program. In 2024, the allocation will be used for joint and crack filling and/or partial depth repair to City streets (residential/collector/arterial) that are approximately 20 years old.

These preventative maintenance measures are the primary and most economical means of extending the useful life of the City's streets and maintaining the Pavement Condition Index (PCI), thereby reducing the need for more expensive pavement repair methods such as full depth patching and complete reconstruction. Industry standards published by the Concrete Pavement Technology Center (CP Tech Center) at Iowa State University recommend that pavement preservation be performed on existing streets every 8 to 10 years in order to extend their useful life.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	700,000	750,000	800,000	850,000	900,000	4,000,000
Total	700,000	750,000	800,000	850,000	900,000	4,000,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	700,000	750,000	800,000	850,000	900,000	4,000,000
Total	700,000	750,000	800,000	850,000	900,000	4,000,000

Budget Impact/Other

This program will extend the service life of existing concrete streets and reduce annual maintenance costs for the City because the Public Works Department will not have to do less effective preventative maintenance (e.g. asphalt cold patching) on the existing pavements.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	-11,000	-15,000	-19,000	-23,000	-27,000	-95,000
Total	-11,000	-15,000	-19,000	-23,000	-27,000	-95,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # **STR-00-003**

Project Name **Annual Pavement Preservation Program**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-00-004

Project Name Annual Street Replacement Program

Description

Full-depth pavement removal and replacement of concrete streets determined to be in poor to very poor condition as rated by the Pavement Condition Index (PCI). Older (1970's) streets were identified in the 2008 Pavement Management Study. However, several newer (1990's) streets have now also been identified by the updated 2023 Pavement Management Study and Master Plan. Projects include pavement reconstruction with C-SUD concrete mix, rock subbase, and longitudinal subdrain, along with spot location replacement of deteriorated storm or sanitary sewer and/or replacement of undersized water main.

Public Works Engineering Division staff coordinates with the Stormwater Division and the Municipal Utilities Department to determine whether existing public utilities within the street reconstruction corridor need any repair and/or replacement. The engineering design and construction inspection associated with this program is primarily completed by Engineering Division staff. Future projects that have been identified include:

•2024:

oNW Ash Drive - Prairie Ridge Sports Complex south access to NW 18th Street: \$950,000 (construct)

oNW Westwood Street - NW 5th Street to NW 9th Street: \$850,000 (construct)

oSW School Street and SW 16th Street and SW 18th Street Intersections: \$75,000 (cost-share)

•2025:

oSE 8th Street – SE Sharon Drive to SE Trilein Drive: \$1,100,000 (construct)

oNE Trilein Drive - East 1st Street to NE 3rd Street: \$575,000 (construct)

•2026-2028: TBD based on the Pavement Management Study and Public Works field evaluations.

Justification

The older (1970's) sections of Ankeny have streets that are deteriorating due to their advanced age. Many of these older streets have significant cracks, spalls, poor subgrade, etc. The newer (1990's) sections of Ankeny have streets that are deteriorating at an accelerated rate due to the concrete mixes utilized during that time that perform poorly when subjected to salt and brine during the winter. Many of these newer streets have significant joint failures, asphalt cold patching, lack of rock subbase and longitudinal subdrain, etc. The Public Works Engineering Division has the above locations and additional streets identified for replacement.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	1,875,000	1,675,000	1,800,000	1,900,000	2,000,000	9,250,000
Total	1,875,000	1,675,000	1,800,000	1,900,000	2,000,000	9,250,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	875,000	1,675,000	1,800,000	1,900,000	2,000,000	8,250,000
Road Use Tax Fund	1,000,000					1,000,000
Total	1,875,000	1,675,000	1,800,000	1,900,000	2,000,000	9,250,000

Budget Impact/Other

This program will reduce the annual maintenance costs for the City because the Public Works Department will not have to do less effective preventative maintenance (e.g. cold patching) on the existing pavements. Projects with proposed utility repair and/or replacement will reduce annual maintenance costs for the City because the Public Works and Municipal Utilities Departments will not have to repair existing deteriorated structures and/or pipes.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	-25,000	-30,000	-35,000	-40,000	-45,000	-175,000
Total	-25,000	-30,000	-35,000	-40,000	-45,000	-175,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # **STR-00-004**

Project Name **Annual Street Replacement Program**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact City Engineer
Type Improvement
Useful Life 40 years
Category Streets and Alleys

Project # STR-14-006

Project Name NE Delaware Avenue Reconstruction-5th to 18th

Description

Reconstruction of NE Delaware Avenue from a two-lane rural roadway to a four-lane divided urban street with left turn lanes at the intersections from just north of NE 5th Street to 700 feet north of NE 18th Street. The project also includes new permanent traffic signals at the NE Delaware Avenue and NE 5th Street and NE 18th Street intersections, fiber optic interconnect from East 1st Street to NE 18th Street, and removal of the existing reinforced concrete box (RCB) culvert and replacement with a triple 12 feet x 8 feet RCB culvert for Tributary A to Four Mile Creek.

Justification

Widening and reconstructing the roadway will allow for improved traffic mobility and safety in the NE Delaware Avenue corridor, as the City continues to grow. The first year of construction occurred in 2023 and the second year of construction is scheduled for 2024; landscaping improvements are anticipated to occur in 2025. Federal STBG-Swap funding in the amount of \$3,000,000 has been obtained through the Des Moines Area MPO. Traffic Safety Improvement Program (TSIP) funding in the amount of \$500,000 has been obtained through the Iowa DOT.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	375,000	25,000				400,000
Construction Costs	5,250,000	125,000				5,375,000
Street Lighting	225,000					225,000
Total	5,850,000	150,000				6,000,000

Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants	250,000					250,000
G.O. Bonds	4,100,000	150,000				4,250,000
MPO/STBG Grants	1,500,000					1,500,000
Total	5,850,000	150,000				6,000,000

Budget Impact/Other

The additional public street pavement and 8-ft. sidewalk will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, replacing the existing street will reduce annual maintenance costs for the City because the Public Works Department will not have to do patching and crack and joint sealing on the existing pavement. The traffic signal, fiber optic interconnect, and public utility infrastructure will add annual maintenance costs for the City's Public Works and Municipal Utilities departments. The new traffic signal and streetlights will result in additional electric power costs for the City.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	2,000	4,000	4,000	4,000	4,000	18,000
Utilities	3,500	6,000	6,000	6,000	6,000	27,500
Total	5,500	10,000	10,000	10,000	10,000	45,500

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

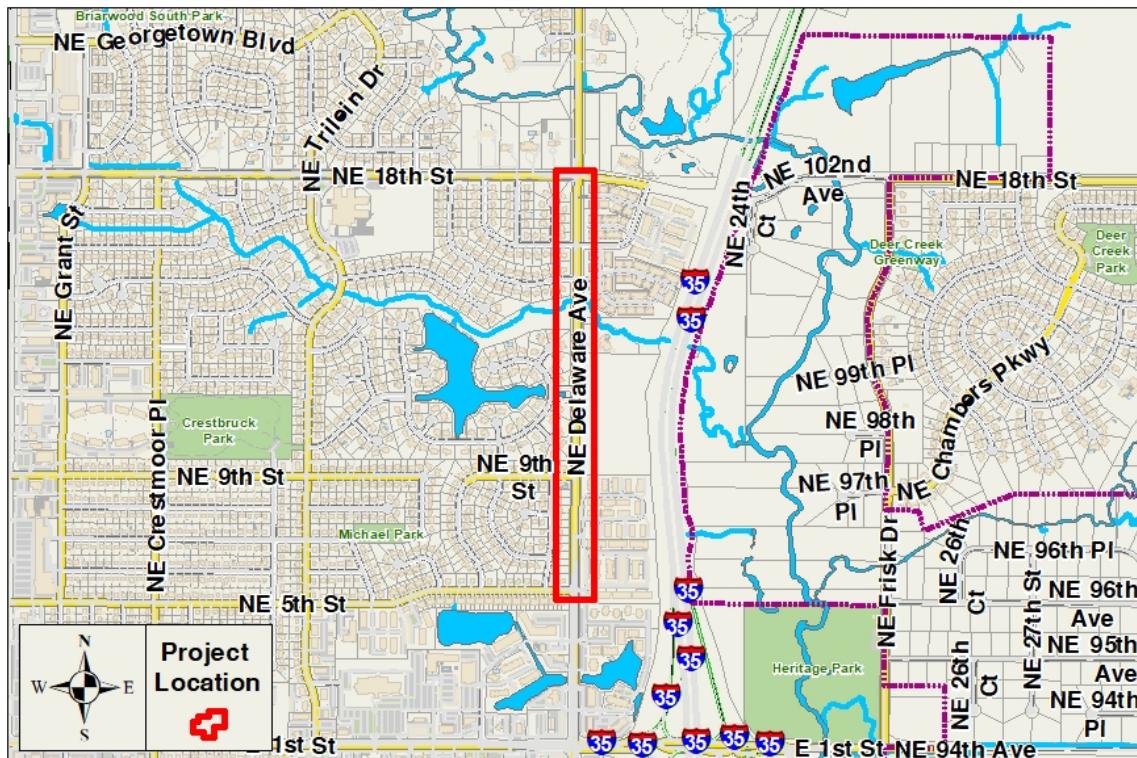
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-14-006**

Project Name **NE Delaware Avenue Reconstruction-5th to 18th**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-16-003

Project Name SW Oralabor Rd and SW Irvinendale Dr Intersection

Description

Reconstruction of the SW Oralabor Road (Iowa Highway 415) and SW Irvinendale Drive intersection. The project includes a traffic study, conceptual design, and surveying in 2025; design engineering services, right-of-way acquisition, and utility relocations in 2026; and construction engineering services and project construction in 2027. Due to SW Oralabor Road (Iowa Highway 415) being a joint jurisdictional roadway, the proposed improvements would need to be coordinated with the Iowa DOT. The SW Oralabor Frontage Road and SW 28th Street intersection located directly south of the main intersection would also be included as a part of the traffic study, and may be improved with the project.

Justification

The purpose of this project is to improve traffic safety and mobility at the SW Oralabor Road and SW Irvinendale Drive intersection. This project will modify the configuration of the traffic lanes to achieve better traffic operations and mobility and improve safety at the intersection. From 2017-2021, there were more than 50 crashes at this intersection. It is anticipated that the City would apply for Traffic Safety Improvement Program (TSIP), Urban-State Traffic Engineering Program (U-STEP), and Iowa Clean Air Attainment Program (ICAAP) funding through the Iowa DOT. In addition, it is anticipated that the Iowa DOT would contribute Resurfacing, Restoration, or Rehabilitation (3R) funds to this project due to SW Oralabor Road being a State highway.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		200,000	450,000			650,000
Engineering-Construction Services				425,000		425,000
Construction Costs				4,225,000		4,225,000
Street Lighting				50,000		50,000
Land/ROW Acquisition			50,000			50,000
Total	200,000	500,000	4,700,000			5,400,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund		200,000	500,000	1,519,000		2,219,000
FHWA/IDOT Grants				1,250,000		1,250,000
G.O. Bonds - TIF Abated				1,931,000		1,931,000
Total	200,000	500,000	4,700,000			5,400,000

Budget Impact/Other

In the long-term, the City's maintenance costs should not increase because no additional traffic lanes on SW Irvinendale Drive are anticipated at the intersection, and the pavement and traffic signal infrastructure will be improved. The Iowa DOT maintains SW Oralabor Road (Iowa Highway 415).

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

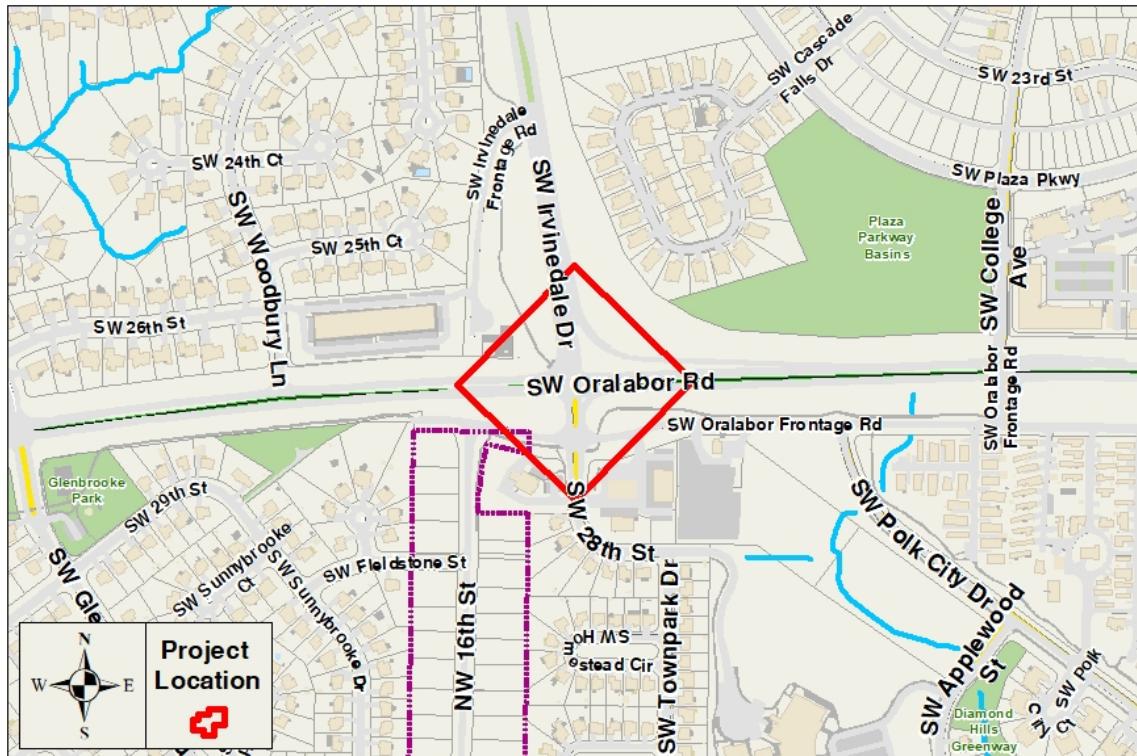
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-16-003**

Project Name **SW Oralabor Rd and SW Irvinedale Dr Intersection**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	40 years
Category	Streets and Alleys

Project # STR-18-003

Project Name NW 36th St Reconstruction-Irvinedale to Abilene

Description

Reconstruction of NW 36th Street from NW Irvinedale Drive to NW Abilene Road. The project includes construction of a new two-lane concrete urban street that will serve as the eastbound lanes when the four-lane divided street is constructed in the future. Storm sewer improvements to accommodate the future four-lane divided street are also included. Sanitary sewer and water main are assumed to be constructed with development along the corridor in advance of the roadway reconstruction. This project includes the reconstruction at the NW 36th Street and NW Irvinedale Drive intersection, along with adding a traffic signal and left and right turn lanes at all four legs of the intersection. The project also includes adding a traffic signal, left turn lanes, and a westbound right turn lane at the NW 36th Street and NW Abilene Road intersection. The existing 5-ft. wide sidewalk along the majority of the south side of NW 36th Street from NW Irvinedale Drive to NW Abilene Road will be replaced with an 8-ft. wide sidewalk..

Justification

It is anticipated that traffic volumes will necessitate reconstructing NW 36th Street from NW Irvinedale Drive to NW Abilene Road within the next five years. This segment of NW 36th Street received an asphalt overlay in 2015; however, traffic is expected to continue increasing due to the adjacent development to the west and east of NW Irvinedale Drive. Survey and preliminary design are planned for 2026; final design, right-of-way acquisition, and utility relocations are planned for 2027; construction and consultant inspection are planned for 2028; and landscaping improvements are planned for 2029. It is estimated that approximately \$1,500,000 of the \$7,325,000 construction cost estimate will be financed by special assessments to the adjacent property owners, similar to previous projects along NW 36th Street.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design			200,000	600,000		800,000
Engineering-Construction Services					525,000	525,000
Construction Costs					6,650,000	6,650,000
Street Lighting					150,000	150,000
Land/ROW Acquisition				100,000		100,000
Total	200,000		700,000		7,325,000	8,225,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds				410,000	7,325,000	7,735,000
Special Assessments			200,000	290,000		490,000
Total	200,000		700,000		7,325,000	8,225,000

Budget Impact/Other

The additional public street pavement and 8 ft. sidewalk will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, replacing the existing asphalt roadway with a concrete street will reduce annual maintenance costs for the City because the Public Works Department will not have to do pavement preservation on the existing asphalt. The additional storm sewer infrastructure will add annual maintenance costs for the City's Public Works and Municipal Utilities departments, and the new traffic signals and streetlights will result in additional electric power costs to the City.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

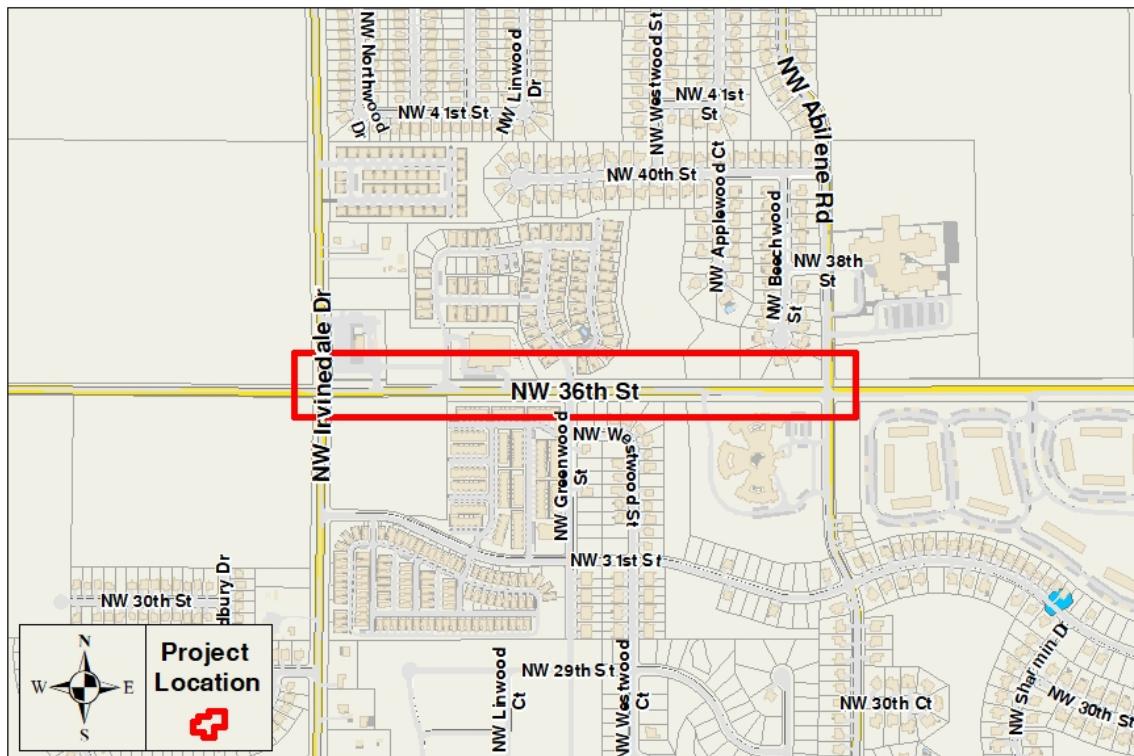
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-18-003

Project Name: NW 36th St Reconstruction-Irvinedale to Abilene



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STR-18-004

Project Name NW 18th Street Extension-Spruce to Highway 415

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Streets and Alleys

Description

Extension of NW 18th Street from NW Spruce Drive west approximately 2,700 feet to Iowa Highway 415. It is proposed to be a 41-ft. wide concrete street with a two-way left turn lane and curb and gutter. The project will also include 8-ft. wide sidewalk on the south side, sanitary sewer, storm sewer, water main, street lighting, fiber optic and conduit, signing, and street trees. In addition, the proposed project includes traffic signals at the intersection of NW 18th Street and Iowa Highway 415, and northbound and southbound turn lanes from Iowa Highway 415 onto NW 18th Street. Approximately \$2,100,000 of the estimated \$7,950,000 total construction cost is associated with the construction work on Iowa Highway 415. It is anticipated that the engineering and construction work on Iowa Highway 415 would be cost-shared with Polk County and the Iowa DOT. The proposed project schedule assumes consultant survey and preliminary design in 2027; right-of-way acquisition and final design in 2028; construction, consultant inspection, and street lighting in 2029 and 2030; and street trees in 2031.

Justification

This street extension will improve traffic mobility and support the current and anticipated future development in the northwest quadrant of Ankeny. The west portion of this project, where it ties into Iowa Highway 415, is currently outside the existing City limits.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design				250,000	700,000	950,000
Land/ROW Acquisition					100,000	100,000
Total				250,000	800,000	1,050,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds				250,000	800,000	1,050,000
Total				250,000	800,000	1,050,000

Budget Impact/Other

The added public street pavement and 8-ft. sidewalk will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, the additional sanitary sewer, storm sewer and water main infrastructure will add annual maintenance costs for the City's Public Works and Municipal Utilities departments. The new street lights will result in additional electric power costs for the City.

2024 - 2028 Capital Improvement Program

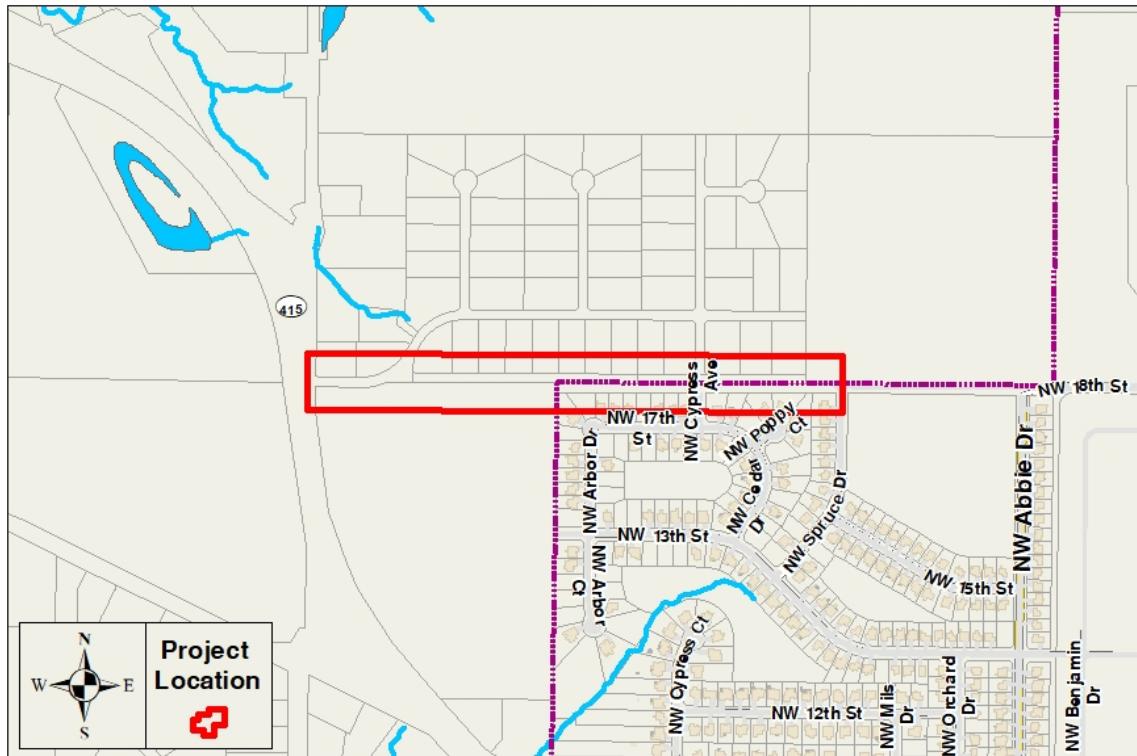
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # STR-18-004

Project Name NW 18th Street Extension-Spruce to Highway 415



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Project # STR-19-004

Project Name NW 36th St and NW Weigel Dr Asphalt Overlay

Description

This project involves Hot Mix Asphalt (HMA) resurfacing on NW 36th Street from NW Weigel Drive to NW Irvindale Drive and on NW Weigel Drive from just north of NW 18th Street to NW 36th Street. Both of these streets are existing gravel roadways. The proposed surface for NW 36th Street is 24-ft. wide and 8-inch thick HMA with 1.5-ft. wide HMA shoulders. The proposed surface for NW Weigel Drive is 24-ft. wide and 7-inch thick HMA with 1.5-ft. wide HMA shoulders. This project also includes construction engineering services and construction.

Justification

This project will improve the driving surface of the existing gravel roadway, reduce the amount of dust coming from the roadway, reduce the maintenance associated with gravel roads, and help support the existing and future development occurring in this area. Approximately 1,300 feet of NW 36th Street from NW Weigel Drive to the east is joint-jurisdictional with Polk County (the north side of the roadway is currently outside Ankeny's corporate limits). Cost-sharing for this section of the project was discussed with Polk County in September 2023, and the estimated cost-share amount is \$150,000.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	175,000					175,000
Construction Costs	2,275,000					2,275,000
Total	2,450,000					2,450,000

Funding Sources	2024	2025	2026	2027	2028	Total
County Contributions	150,000					150,000
G.O. Bonds	2,300,000					2,300,000
Total	2,450,000					2,450,000

Budget Impact/Other

This project will reduce annual maintenance costs for the City because the Public Works Department will not have to regularly maintain the existing gravel roadway.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		-30,000	-30,000	-30,000	-30,000	-120,000
Total		-30,000	-30,000	-30,000	-30,000	-120,000

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

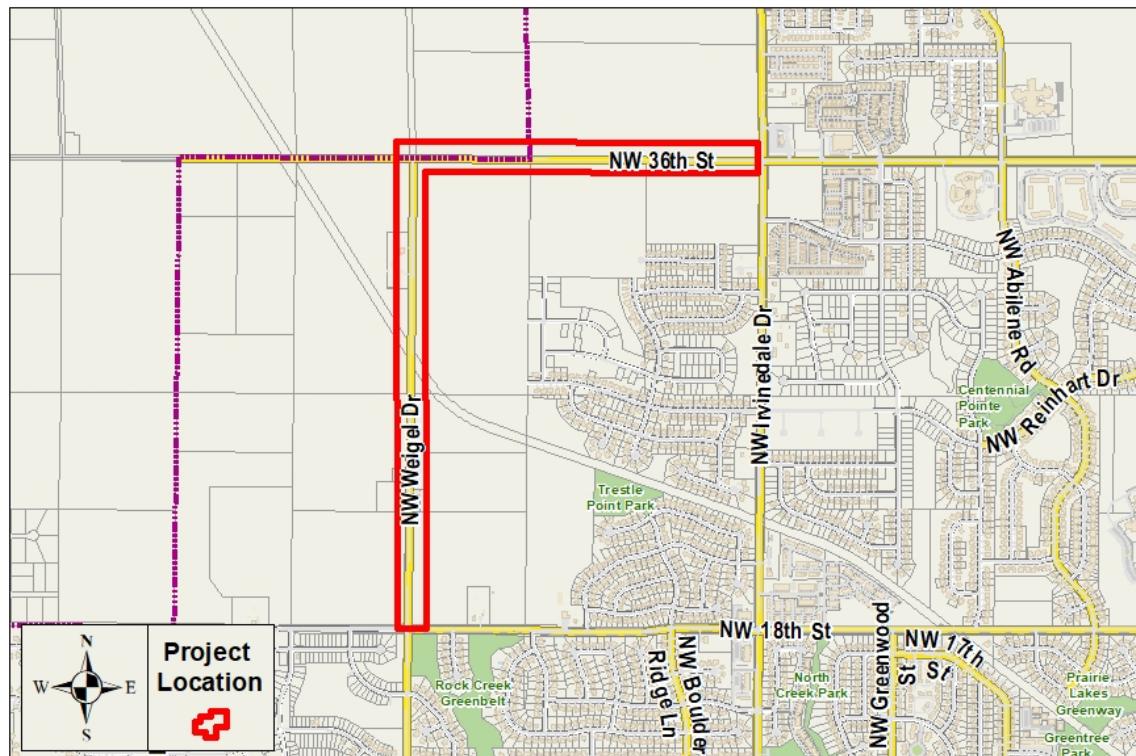
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-19-004**

Project Name **NW 36th St and NW Weigel Dr Asphalt Overlay**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-19-006

Project Name SW Oralabor Rd and SW Edgewood Ln Intersection

Description

Add eastbound and westbound left turn lanes on SW Oralabor Road at the SW Edgewood Lane/SW Stonehaven Lane intersection. Since SW Oralabor Road is also Iowa Highway 415, the project is being coordinated with the Iowa DOT. Public Works Engineering Division staff surveyed and designed the project in 2023, and anticipate inspecting this project in-house in 2024

Justification

The SW Oralabor Road (Iowa Highway 415) and SW Edgewood Lane/SW Stonehaven Lane intersection is the only intersection along SW Oralabor Road that does not have dedicated left turn lanes for westbound and eastbound traffic. Traffic volumes will likely continue to increase on SW Oralabor Road, and the speed limit in this section is 50 MPH. Therefore, adding left turn lanes at this intersection should improve traffic safety and mobility. The Iowa DOT supports the proposed project and has approved U-STEP funding for the project.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	250,000					250,000
Total	250,000					250,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	50,000					50,000
FHWA/IDOT Grants	150,000					150,000
G.O. Bonds	50,000					50,000
Total	250,000					250,000

Budget Impact/Other

The Iowa DOT maintains SW Oralabor Road (Iowa Highway 415), so this project would not have an operating impact on the City.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

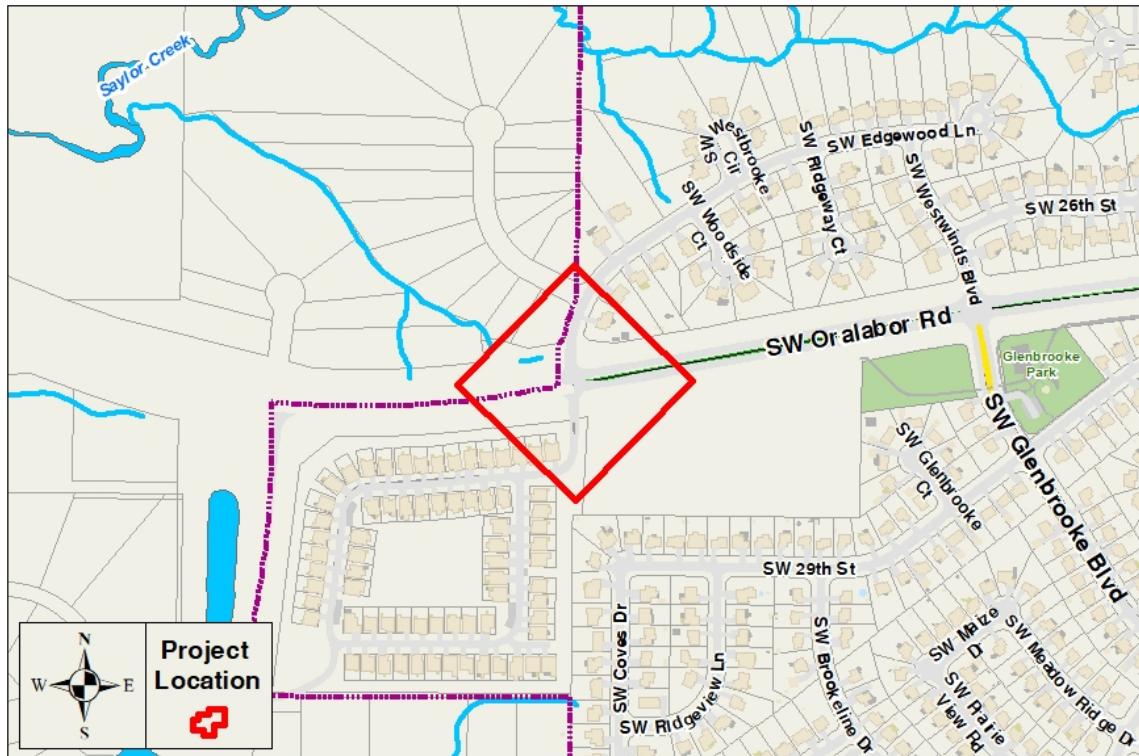
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-19-006**

Project Name **SW Oralabor Rd and SW Edgewood Ln Intersection**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project #	STR-20-008
Project Name	SW Oralabor Rd and SW State St Intersection

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	20 years
Category	Streets and Alleys

Description

The proposed project will widen all legs of the intersection to provide right-turn lanes and dual left-turn lanes on all approaches. The project also includes traffic signal and pedestrian ramp upgrades.

Justification

The SW Oralabor Road and SW State Street intersection was listed in the 2019 Iowa Department of Transportation's (DOT) Top 20 Safety Improvement Location Candidates at #6. The City's safety study found that traffic demand on the intersection exceeds its capacity during peak periods and identified a pattern of correctable congestion-related crashes. The project will address the safety issues by providing additional capacity. The Oralabor Gateway Trail is a regional trail connection between the Neal Smith Trail system (to the west) and the Gay Lea Wilson Trail and High Trestle Trail systems (to the east) that runs along the south side of SW/SE Oralabor Road. The current at-grade crossing at SW State Street is very wide due to the rural roadway and granular shoulders on SW State Street. The street approach and the intersection as a whole carries an extremely large traffic volume. This includes a high number of right-turning vehicles and results in an at-grade trail crossing that is difficult to maneuver and has a higher probability of accidents between vehicles and pedestrians. A grade-separated crossing at this location would eliminate this situation. SW State Street and SW Oralabor Road (Iowa Highways 415 and 160) are joint jurisdictional streets with the Iowa DOT, so the project involved an Iowa DOT bid letting and continued coordination during the construction phase. The first year of construction occurred in 2023 and the second year of construction is scheduled for 2024. Federal STBG-TAP funding in the amount of \$1,050,000 and ICAAP funding in the amount of \$529,161 was obtained from the Des Moines Area MPO. U-STEP funding in the amount of \$400,000 and 3R funding in the amount of \$775,000 was obtained from the Iowa DOT. Approximately \$425,000 of the construction cost is associated with water main relocations.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	175,000					175,000
Construction Costs	3,250,000					3,250,000
Total	3,425,000					3,425,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	2,598,752					2,598,752
FHWA/IDOT Grants	352,500					352,500
MPO/STBG Grants	473,748					473,748
Total	3,425,000					3,425,000

Budget Impact/Other

The additional public street pavement on SW State Street, at the intersection's north approach, will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. The Iowa DOT maintains Iowa Highways 415 and 160, so they would be responsible for maintaining the additional public street pavement at the intersection's south, west and east approaches. The traffic signal improvements will replace existing City-owned infrastructure, so impacts to utility and maintenance costs will be negligible, or may be reduced with use of low-voltage equipment. After completion, the new grade-separated structure should require only a minor amount of maintenance each year. The Parks & Recreation Department would be required to maintain the tunnel during the winter months when plowing snow for the Oralabor Gateway Trail.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

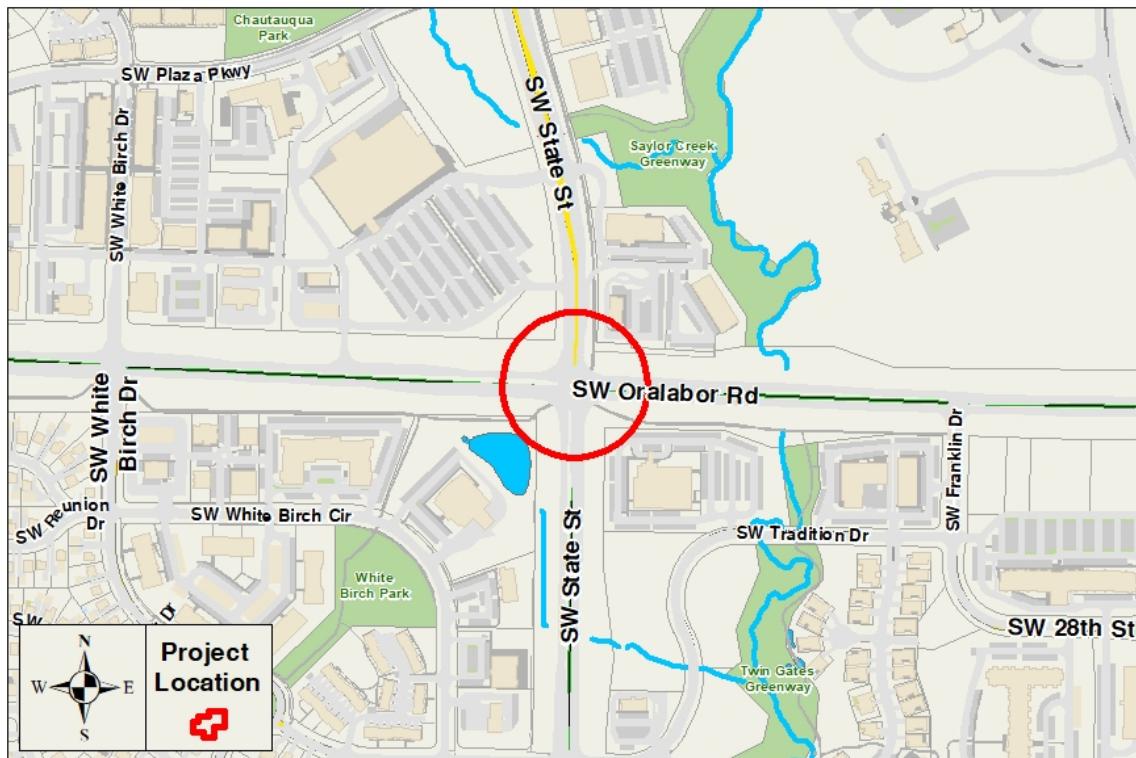
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-20-008**

Project Name **SW Oralabor Rd and SW State St Intersection**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	40 years
Category	Streets and Alleys

Project # STR-21-004

Project Name NW Irvindale Dr and NW 18th St Intersection

Description

Reconstruction of the NW Irvindale Drive and NW 18th Street intersection to improve traffic capacity, mobility and safety. The reconstruction will provide an urban cross section on all legs of the intersection. Storm sewer infrastructure and subdrain are also included with the proposed improvements. The City and the engineering consultant are studying the intersection to determine if improvements include traffic signalization with dedicated left and right turn lanes or a roundabout. The engineering consultant will complete the traffic study in 2023 to determine which intersection will provide more safety and capacity.

Justification

NW Irvindale Drive and NW 18th Street are arterial streets that serve a large portion of the traffic in the northwest part of the City. The intersection's current geometry creates bottlenecks due to the lack of left and right turn lanes. Additionally, there are locations along NW Irvindale Drive with steep side slopes that are considered potential safety issues should a driver errantly leave the road.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	375,000					375,000
Engineering-Construction Services		320,000				320,000
Construction Costs			3,535,000			3,535,000
Street Lighting			150,000			150,000
Land/ROW Acquisition			20,000			20,000
Total	375,000	4,025,000				4,400,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	375,000	4,025,000				4,400,000
Total	375,000	4,025,000				4,400,000

Budget Impact/Other

The additional public street pavement will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, the additional pavement and storm sewer infrastructure will add annual maintenance costs for the City's Public Works Department. The additional streetlights will increase electric power costs for the City.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			500	500	500	1,500
Utilities			1,000	1,000	1,000	3,000
Total			1,500	1,500	1,500	4,500

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

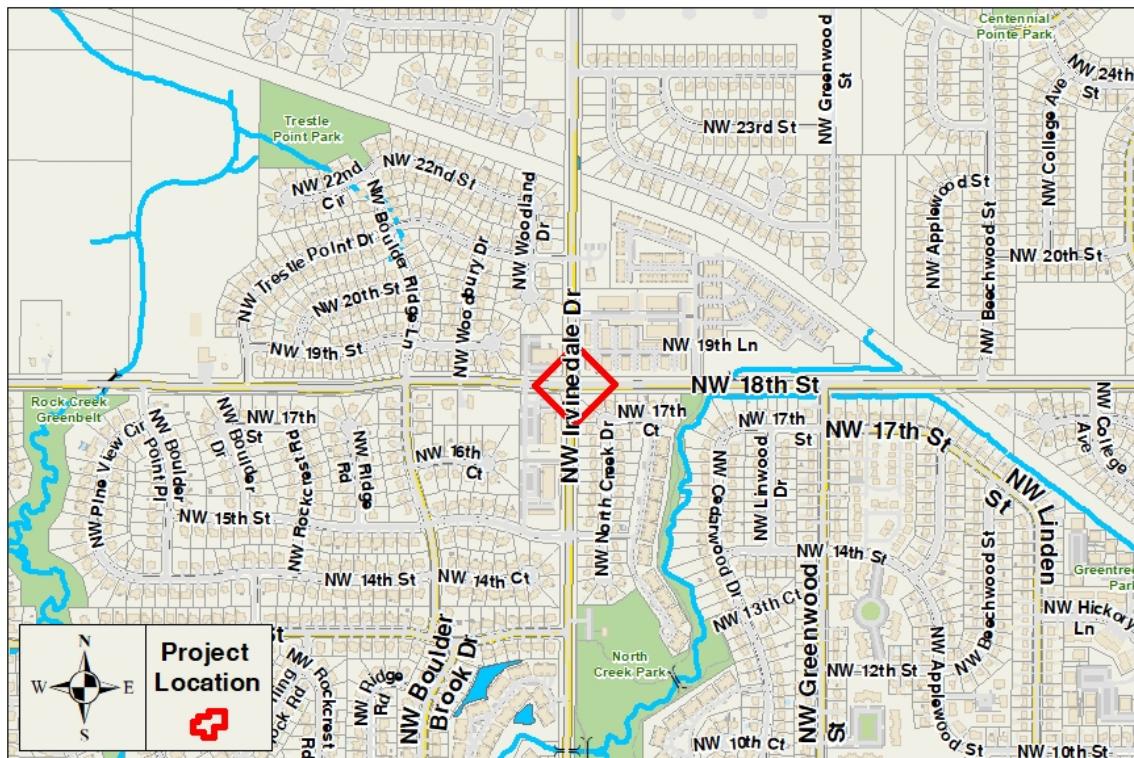
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-21-004

Project Name NW Irvinedale Dr and NW 18th St Intersection



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact City Engineer
Type Improvement
Useful Life 40 years
Category Streets and Alleys

Project # STR-21-005

Project Name South Ankeny Blvd and SE Oralabor Rd Safety Impr

Description

The proposed project concept will add much-needed capacity to the intersection. A concept study will review the benefits and costs of non-traditional intersection configuration versus a traditional widening project (which the construction cost estimate in this request reflects). The project includes construction of a grade-separated crossing at the south leg of the intersection for the Oralabor Gateway Trail.

Justification

The South Ankeny Boulevard and SE Oralabor Road intersection was listed in the Iowa Department of Transportation's (DOT) Top 200 Safety Improvement Location Candidates in recent consecutive years. The City's safety study in 2020 found that the traffic demand on the intersection exceeds its capacity during peak periods and identified a pattern of correctable congestion-related crashes. The project will address the safety issues by providing additional capacity. These roads are joint jurisdictional with the Iowa DOT as U.S. Highway 69 and Iowa Highway 160, and Iowa DOT concurs with the study findings. Additional study proposed in 2025 will evaluate non-traditional intersection configurations. Funding applications to the Iowa Clean Air Attainment Program (ICAAP), Traffic Safety Improvement Program (TSIP), and Urban-State Traffic Engineering Program (U-STEP) are anticipated. The Oralabor Gateway Trail is a regional trail connection between the Neal Smith Trail system (to the west) and the Gay Lea Wilson Trail system (to the east). The trail is a 10-ft. wide PCC trail that runs along the south side of Oralabor Road and is popular with recreational users and commuters. The intersection carries high traffic volumes at high speeds, and the current at-grade trail crossing is wide, difficult to maneuver and has a higher probability of conflicts between vehicles and pedestrians. A grade-separated crossing at this location would improve safety for trail users and improve traffic flow for drivers. The grade-separated crossing has received \$440,000 of STBG-TAP funding from the Des Moines Area MPO, and additional funding will be requested. The proposed project schedule has concept study and funding application(s) in 2025; consultant survey and preliminary design in 2026; final design, right-of-way acquisition and utility relocations in 2027; and construction with consultant inspection in 2028 and 2029.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		125,000	250,000	175,000		550,000
Engineering-Construction Services					225,000	225,000
Construction Costs					3,500,000	3,500,000
Land/ROW Acquisition				200,000		200,000
Total	125,000	250,000	375,000	3,725,000	4,475,000	

Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants					1,000,000	1,000,000
G.O. Bonds - TIF Abated		125,000	250,000	375,000	2,285,000	3,035,000
MPO/STBG Grants					440,000	440,000
Total	125,000	250,000	375,000	3,725,000	4,475,000	

Budget Impact/Other

Iowa DOT maintains U.S. Highway 69 and Iowa Highway 160, so they would be responsible for snow removal and maintenance of the additional public street pavement at all of the intersection's approaches. The traffic signal improvements will replace existing City-owned infrastructure, so impacts to utility and maintenance costs will be negligible, or may be reduced with use of low-voltage equipment. The new grade-separated structure should require only a minor amount of maintenance each year. The Parks & Recreation Department would be required to maintain the structure during the winter months when plowing snow for the Oralabor Gateway Trail. If a tunnel is used, electricity and maintenance for lighting will be the City's responsibility.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

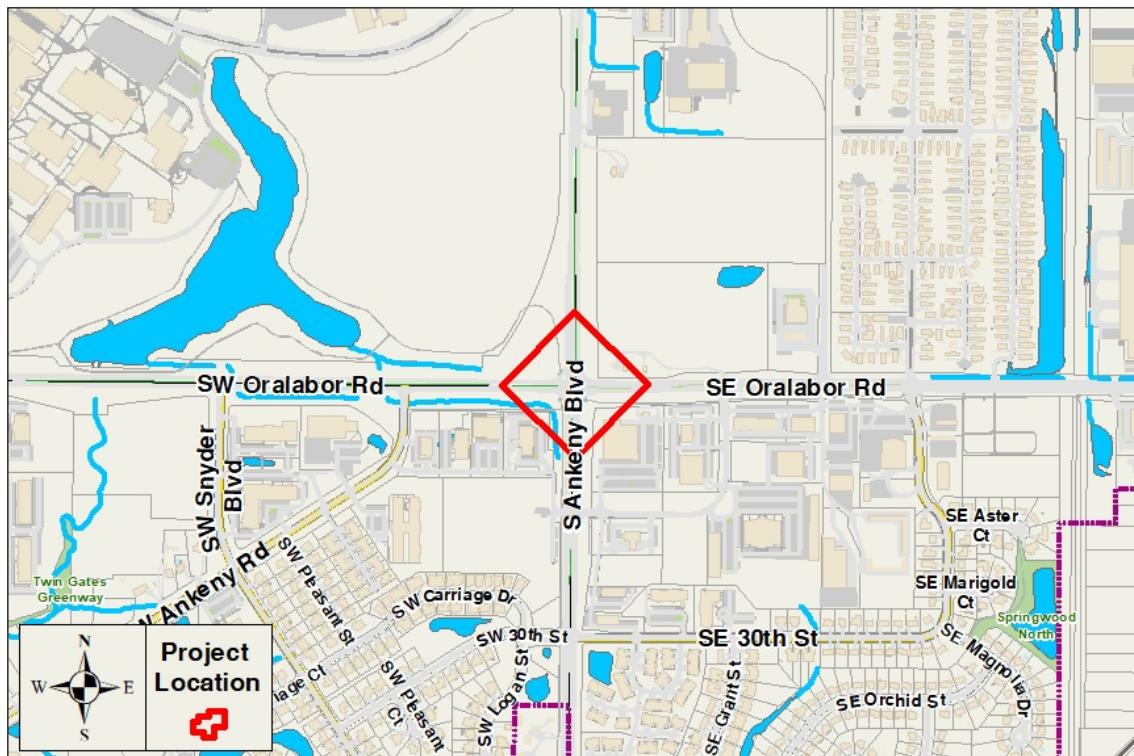
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-21-005**

Project Name **South Ankeny Blvd and SE Oralabor Rd Safety Impr**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # **STR-22-003**

Project Name **West 1st Street Widening and Improvements-Phase 2**

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Description

Reconstruction of W 1st Street from just east of NW Greenwood Street to just west of NW/SW State Street. The existing four-lane street is only 41-ft. wide and is proposed to be removed and replaced with a new five-lane street that is a minimum of 60-ft. wide and includes a center two-way left turn lane. Additional improvements include water main and storm sewer upgrades to replace the 50-year-old underground infrastructure; the addition of a new traffic signal at the W 1st Street and NW/SW Linden Street intersection; and the addition of approximately 20 streetlights. Unlike the W 1st Street Widening and Improvements – Phase 1 project which was completed in 2022, it is anticipated that a joint utility trench will not be constructed in advance of this project. It is assumed that the existing overhead electric on wood poles would remain in their current locations and that any underground utilities that are in conflict with construction would be relocated within the City's right-of-way. Construction is currently scheduled to occur in 2026 and 2027 with an Iowa Department of Transportation (DOT) letting date currently programmed for November 2025.

Justification

The existing four-lane undivided street has operational and safety issues because the left-turning vehicles block the inside through traffic lanes. This results in traffic backups and increased accident potential along the corridor. W 1st Street carries heavy daily traffic, and the pavement requires regular concrete patching and asphalt cold patching and at 50 years old is at the end of its service life. In addition, the existing 10-ft. wide lanes do not meet the minimum acceptable widths per SUDAS design standards. It is anticipated that the project's construction will be completed over the course of two years due to the overall duration needed to reconstruct ½-mile of urban arterial street and the time constraints necessitated by maintaining a minimum two lanes of traffic flow at all times along the major arterial corridor. The topographic survey, stormwater study, and preliminary design are scheduled to occur in 2024; and the final design, property acquisitions, and utility relocations are planned for 2025. The City has been awarded \$1,151,500 in Federal Fiscal Year 2026 STBG funding and \$1,195,000 in Federal Fiscal Year 2027 STBG funding through the Des Moines Area MPO. In addition, the City was awarded an extra \$500,000 in excess funding from Federal Fiscal Year 2022.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	400,000	775,000				1,175,000
Engineering-Construction Services			375,000	400,000		775,000
Construction Costs			3,800,000	4,000,000		7,800,000
Street Lighting			75,000	75,000		150,000
Land/ROW Acquisition		100,000				100,000
Total	400,000	875,000	4,250,000	4,475,000		10,000,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - TIF Abated	400,000	875,000	2,826,750	3,051,750		7,153,500
MPO/STBG Grants			1,423,250	1,423,250		2,846,500
Total	400,000	875,000	4,250,000	4,475,000		10,000,000

Budget Impact/Other

The additional public street pavement will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the mid-term and long-term, replacing the existing street will reduce annual maintenance costs for the City because the Public Works Department will not have to do less effective preventative maintenance (e.g. cold patching) on the existing pavement. In addition, replacing the deteriorating underground infrastructure will reduce annual maintenance costs for the City because the Municipal Utilities Department will not have to perform as much water maintenance and repairs (e.g. water main breaks on existing ductile iron water pipe). The new traffic signal and streetlights will result in additional electric power costs to the City

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs					1,000	1,000
Utilities				1,500	3,250	4,750
Total				1,500	4,250	5,750

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

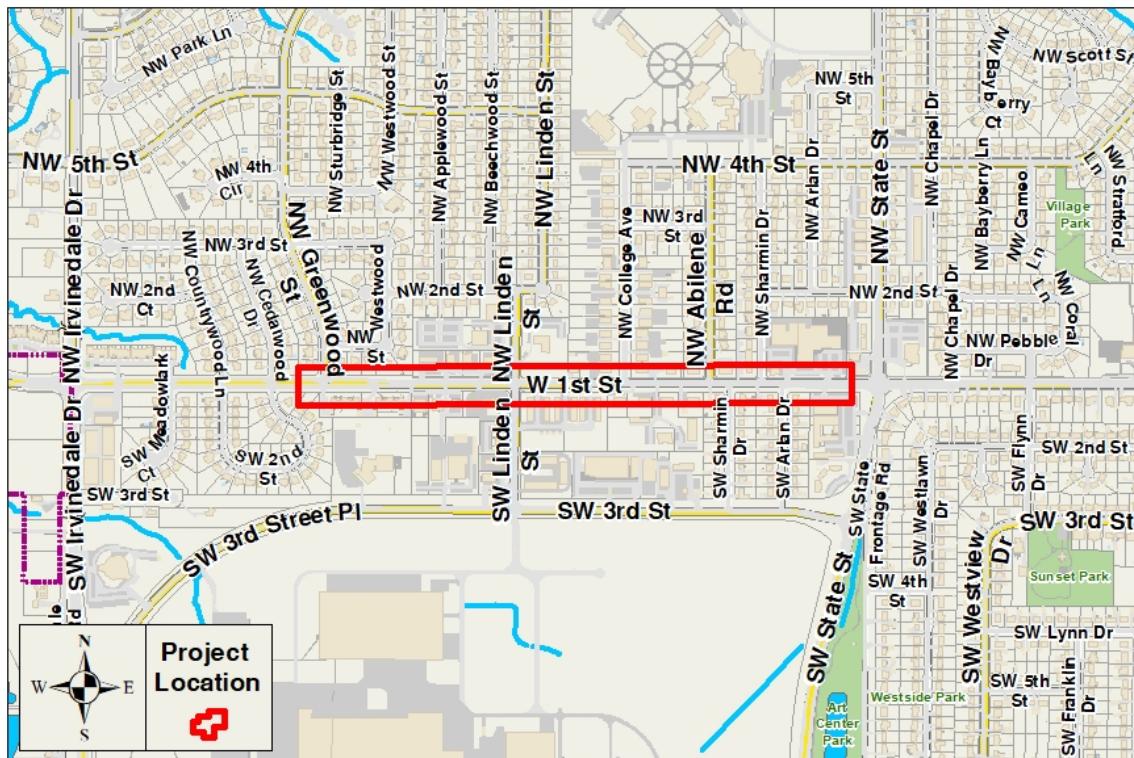
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-22-003**

Project Name **West 1st Street Widening and Improvements-Phase 2**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	40 years
Category	Streets and Alleys

Project # STR-22-004

Project Name NW 18th St Reconstruction-NW State St to NW Ash Dr

Description

This project includes the reconstruction of the existing street pavement on NW 18th Street from approximately 450 feet west of NW State Street to approximately 350 feet west of NW Ash Drive. The project will include removing and replacing existing pavement, storm sewer intakes, and some sidewalk. New PCC pavement, modified subbase, subdrains, pavement markings, and left and right turn lanes will be constructed. The project also includes a new traffic signal on NW 18th Street at the football/baseball parking lot access for the Prairie Ridge Sports Complex (PRSC). The traffic study will determine the proposed cross-section and geometry for the street. The project also includes consultant survey, design, and construction services.

Justification

The purpose of the project is to replace the deteriorated pavement along the NW 18th Street corridor from west of NW State Street to west of NW Ash Drive, along with providing additional turning capacity to improve traffic safety and mobility at the intersections. The project will also improve mobility for ingress and egress traffic using the PRSC football/baseball parking lot at its access point on NW 18th Street. The concept study completed in 2021 identified the preferred improvements as adding an eastbound right turn lane on NW 18th Street, a northbound right turn lane on the PRSC football/baseball access, and a traffic signal at the intersection of NW 18th Street and the PRSC football/baseball access. The traffic signal will operate in coordination with the existing traffic signals on NW 18th Street at the NW State Street and NW Ash Drive intersections. The anticipated project schedule includes consultant survey and conceptual design in 2025; preliminary and final design in 2026; and construction and consultant inspection in 2027. An estimated \$100,000 is anticipated for aesthetic enhancements at the PRSC football/baseball access (e.g. landscaping and a monument sign) in 2028.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		100,000	390,000			490,000
Engineering-Construction Services				325,000	25,000	350,000
Construction Costs				4,075,000	75,000	4,150,000
Street Lighting				100,000		100,000
Land/ROW Acquisition			10,000			10,000
Total	100,000	400,000	4,500,000	100,000	5,100,000	
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		100,000	400,000	4,500,000	100,000	5,100,000
Total	100,000	400,000	4,500,000	100,000	5,100,000	

Budget Impact/Other

The project will reduce the annual maintenance costs for the City because the Public Works Department will not have to do frequent preventative maintenance (e.g. cold patching) on the existing pavement. Widening the PRSC football/baseball access will add pavement maintenance costs for the Parks & Recreation Department. Adding turn lanes on NW 18th Street will increase snow removal costs for the Public Works Department, and the new traffic signal will increase maintenance costs in the long-term. The new traffic signal and street lights will increase electric power costs for the City.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs					-7,500	-7,500
Utilities					1,750	1,750
Total					-5,750	-5,750

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

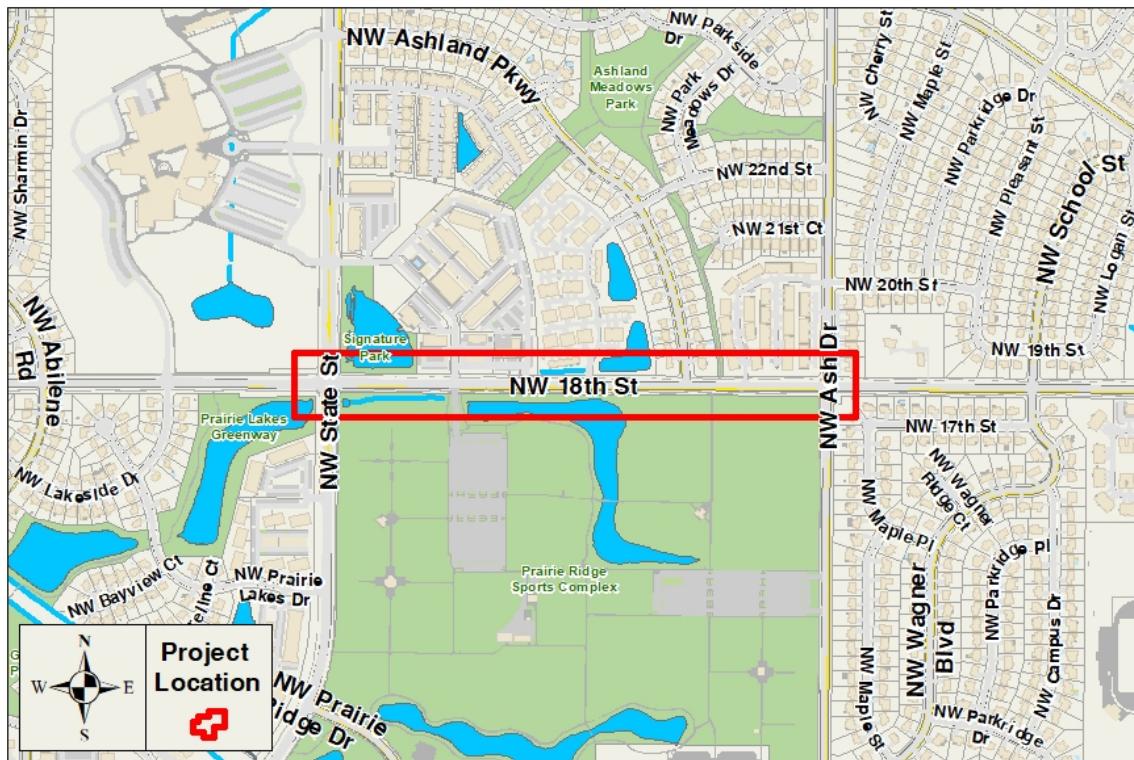
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-22-004**

Project Name **NW 18th St Reconstruction-NW State St to NW Ash Dr**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STR-23-001

Project Name N Ankeny Boulevard Improvements-1st St to 11th St

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Description

This is a joint project with the Iowa Department of Transportation (DOT) to add right-turn lanes, repair failing pavement, replace aged traffic signal infrastructure, upgrade pedestrian ramps, and replace existing landscaping in the medians and at the intersections with low maintenance plantings on N Ankeny Boulevard, between 1st Street and 11th Street.

Justification

The Iowa DOT has already planned for a PCC inlay of northbound N Ankeny Boulevard between 1st Street and 5th Street along with a PCC inlay of southbound N Ankeny Boulevard between 1st Street and 11th Street in 2025. The Iowa DOT agreed to expand the scope of their project to include right-turn lanes on N Ankeny Boulevard and the side streets, in conjunction with the City's streetscaping and traffic signal improvements at the 5th, 9th, and 11th Street intersections and in the medians. The Iowa DOT will be responsible for the costs associated with designing and constructing the PCC inlays and right-turn lanes on N Ankeny Boulevard. The City will be responsible for the costs associated with designing and constructing the right-turn lanes on the side streets and the landscaping and traffic signal improvements at the intersections and in the medians. The Iowa DOT and City improvements, minus the landscaping, will be bid as one project with an Iowa DOT letting utilizing separate divisions for construction staging efficiency and economy of scale. The landscaping improvements at the intersections and in the medians would be completed as a separate City project in 2026. The Iowa DOT is contributing \$35,000 in design costs for the inlay portion of the project, along with \$1,750,000 in Resurfacing, Rehabilitation, and Restoration (3R) funding, and \$400,000 in Urban-State Traffic Engineering Program (U-STEP) funding. The City has applied for \$1,400,000 in Iowa Clear Air Attainment Program (ICAAP) funding and will apply for \$200,000 in Pedestrian Curb Ramp Construction funding from the Iowa DOT.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	300,000					300,000
Engineering-Construction Services		300,000	25,000			325,000
Construction Costs		5,400,000	250,000			5,650,000
Land/ROW Acquisition	200,000					200,000
Total	500,000	5,700,000	275,000			6,475,000
Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants	35,000	3,750,000				3,785,000
G.O. Bonds	465,000	1,950,000	275,000			2,690,000
Total	500,000	5,700,000	275,000			6,475,000

Budget Impact/Other

The Iowa DOT is responsible for maintenance and snow removal on N Ankeny Boulevard, so additional pavement maintenance and snow removal costs for the City will be limited to the new right-turn lanes on the side streets. Replacing the traffic signal equipment with more energy-efficient equipment may reduce maintenance and electric utility costs in the long term. The existing landscaping in the medians is difficult to maintain, and the proposed landscaping is low maintenance. Therefore, the additional landscape maintenance cost for the Public Works Operations Division is considered negligible. The new irrigation system will require normal maintenance, and irrigating the landscaped medians and intersection corners will result in additional water usage by the City during the spring and summer months.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			250	750	750	1,750
Utilities				1,000	1,000	2,000
Total			250	1,750	1,750	3,750

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

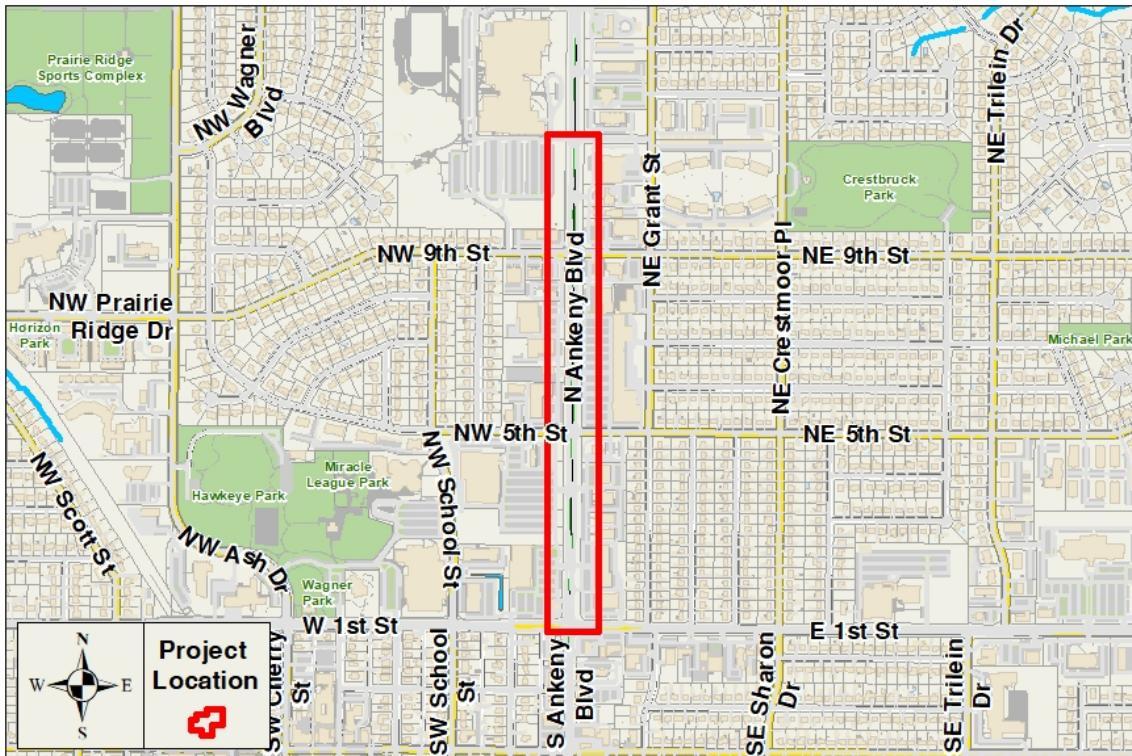
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-001**

Project Name **N Ankeny Boulevard Improvements-1st St to 11th St**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-23-002

Project Name NE Delaware Reconstruction-Four Mile to NE 36th

Description

Reconstruction of NE Delaware Avenue from a two-lane rural roadway to an urban section (either three-lane or five-lane) with two-way left turn lanes from Four Mile Creek to NE 36th Street, depending upon the results of a consultant-prepared traffic study in conjunction with the conceptual design of the project.

The project may also include either a new Rectangular Rapid Flashing Beacon (RRFB) or a High Intensity Activated Crosswalk (HAWK) signal at the NE Delaware Avenue and NE 28th Street intersection. It is currently assumed that the existing traffic signal at the NE Delaware Avenue and NE 36th Street intersection would not be modified or replaced, and that no other signals would be necessary along the corridor as a part of the planned improvements. Other construction improvements are expected to include storm sewer and subdrain. It is anticipated that sanitary sewer and water main improvements would be minimal.

Justification

The previous traffic study completed by Snyder & Associates, Inc. in 2013 did not show a need to widen this street based on then-current traffic volumes. However, having this street widened with two-way left turn lanes will allow for improved traffic safety and mobility as the City continues to grow both to the north of NE 36th Street and also to the east of Interstate 35. The project is planned for the traffic study, conceptual design, and survey to occur in 2028; preliminary design, final design, and utility relocations in 2029; construction in 2030 and 2031; and landscaping improvements in 2032. Property acquisitions are assumed to be limited to temporary construction easements only for a three-lane section, and would also include fee title acquisitions for a five-lane section. The City will likely apply for Federal-aid STBG funding through the Des Moines Area MPO to assist with funding the construction of the roadway project.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design					500,000	500,000
Total					500,000	500,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds					500,000	500,000
Total					500,000	500,000

Budget Impact/Other

The additional public street pavement will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, replacing the existing pavement will reduce annual maintenance costs for the City because the Public Works Department will not have to do patching and crack and joint sealing. The new pedestrian signal and public utility infrastructure will add annual maintenance costs for the City's Public Works and Municipal Utilities departments. The new pedestrian signal and streetlights will also result in additional electric power costs for the City.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

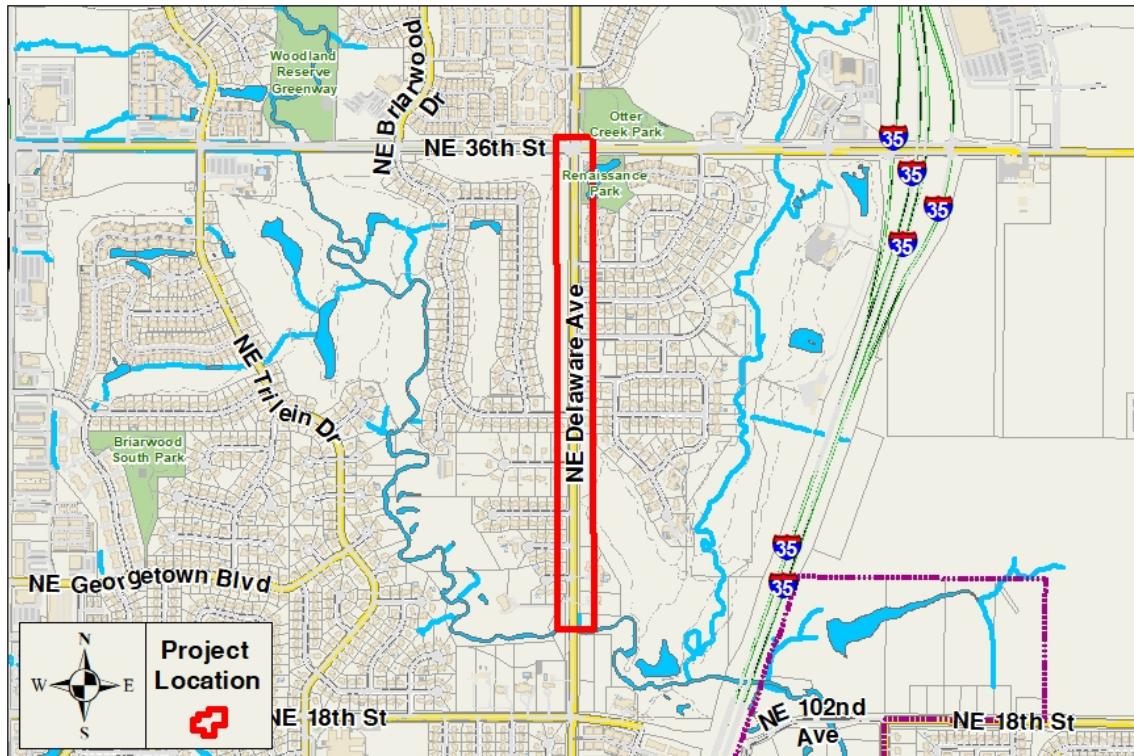
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-002**

Project Name **NE Delaware Reconstruction-Four Mile to NE 36th**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STR-23-005

Project Name S Ankeny Blvd Improvements-SE Peterson to 1st St

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Description

This is a joint project with the Iowa Department of Transportation (DOT) to reconstruct S Ankeny Boulevard (U.S. Highway 69) from SE Peterson Drive to 1st Street. The anticipated work will include the replacement of the aging 4-lane undivided urban section with a 5-lane divided urban section and right turn lanes where applicable. The project will include the replacement of pavement, sidewalk, water main, sanitary sewer, and storm sewer along with the traffic signal at SE 3rd Street and subsequent fiber optic interconnect.

Consultant-led survey, design, and utility relocation coordination is scheduled to occur from 2023 to 2025. Joint utility trench (JUT) construction and associated easements for the relocation of private utilities is anticipated to occur during the last half of 2025 and the first half of 2026. City water main and sanitary sewer construction is anticipated to occur during the last half of 2026. Iowa DOT roadway construction is anticipated to occur during all of 2027 and 2028.

Based on the Predesign Agreement between the Iowa DOT and the City for the project, the Iowa DOT has identified the following funding sources to be used for the roadway construction: 3R, U-STEP, HSIPX, TSIP, and NR. It is also anticipated that a portion of the JUT's total construction and easement costs will be funded by the Iowa DOT. Lastly, it is undetermined whether MidAmerican Energy Company's (MEC) – electric facilities will be converted from overhead to underground. If conversion is needed, it is anticipated that the conversion would be at MEC's expense, including construction and associated easements.

Justification

A study was completed in 2020 documenting the traffic operations and safety issues and recommended improvements to S Ankeny Boulevard from SW Ordnance Road to 1st Street. The study also recommended improving access management and safety along the corridor due to the frequency of access points to adjacent properties. The Iowa DOT and the City of Ankeny have agreed that the City would manage and pay for the consultant-led survey, design, and utility relocation coordination, and the Iowa DOT would manage and pay for the right-of-way acquisition, construction, and construction engineering services. This project is the first phase of improvements to S Ankeny Boulevard. It is anticipated that there will be a future improvement project on S Ankeny Boulevard from SW Ordnance Road to SE Peterson Drive.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	150,000	175,000				325,000
Engineering-Construction Services			75,000	50,000	75,000	200,000
Construction Costs		550,000	2,050,000	3,450,000	4,975,000	11,025,000
Street Lighting					250,000	250,000
Land/ROW Acquisition		200,000				200,000
Total	150,000	925,000	2,125,000	3,500,000	5,300,000	12,000,000

Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants		200,000	300,000	2,850,000	4,300,000	7,650,000
G.O. Bonds	150,000	725,000		650,000	1,000,000	2,525,000
Sewer Fund			912,500			912,500
Water Fund			912,500			912,500
Total	150,000	925,000	2,125,000	3,500,000	5,300,000	12,000,000

Budget Impact/Other

The Iowa DOT maintains S Ankeny Boulevard/U.S. Highway 69; therefore, it is anticipated that the project will not have an operating impact to the City. Due to the potential for City utility relocations and/or improvements being needed as part of the project, the operating impact to the City will be reviewed further after the preliminary design has been completed.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

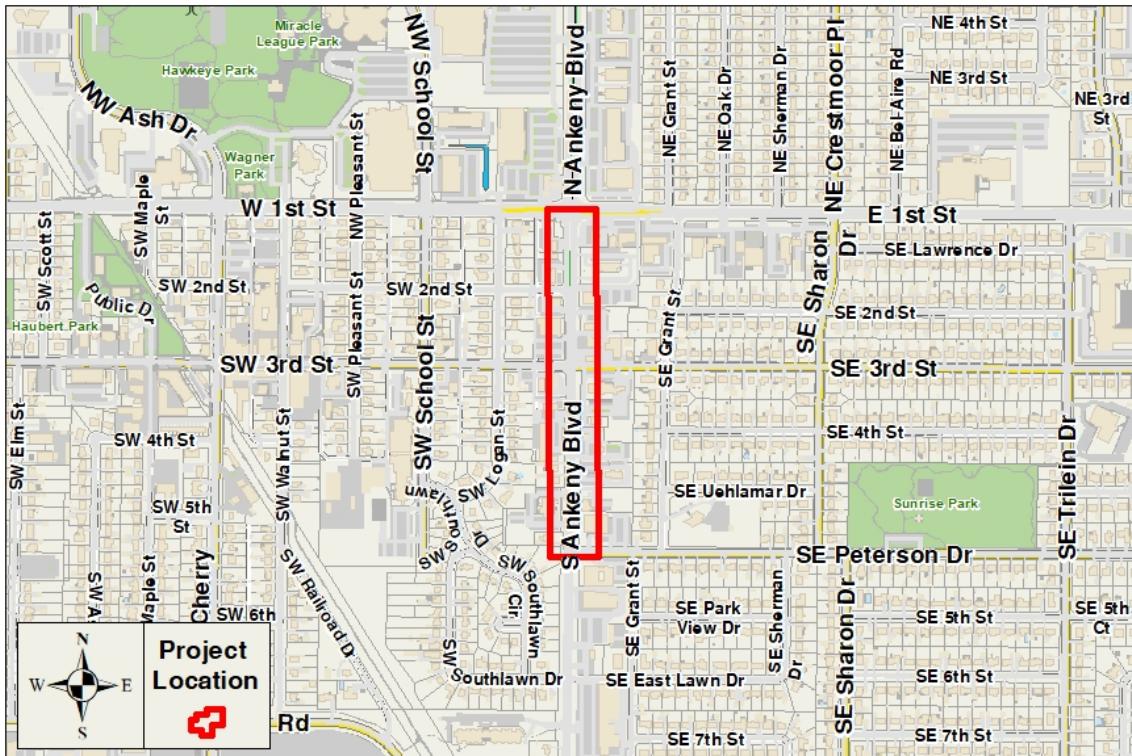
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-23-005

Project Name S Ankeny Blvd Improvements-SE Peterson to 1st St



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	40 years
Category	Streets and Alleys

Project # STR-23-006

Project Name SW Magazine & State St Intersection Improvements

Description

The project will widen SW Magazine Road to provide a second eastbound through lane on the west leg approach to the intersection with SW State Street. The widening will be on the south side of SW Magazine Road, for approximately 400 feet, and will align with the two existing eastbound receiving lanes on the east side of SW State Street. The median in the west leg will be modified and extended to provide additional left-turn storage, and it will convert the accesses immediately west of SW State Street to right-in/right-out-only operation.

Justification

With the traffic impact study completed to analyze increased traffic volumes associated with proposed developments in Prairie Trail west of the project intersection, an existing capacity issue was identified for eastbound traffic during peak hours. The existing short left-turn lane and single shared thru/right-turn lane do not provide sufficient capacity: long delays and queues are common for eastbound drivers on the west leg. Adding a second thru lane and increasing the length of the left-turn lane will support the overall intersection operation and reduce eastbound delays significantly.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction	40,000					40,000
Services						
Construction Costs	425,000					425,000
Land/ROW Acquisition	10,000					10,000
Total	475,000					475,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	475,000					475,000
Total	475,000					475,000

Budget Impact/Other

The new pavement area will be relatively small, but it will result in additional pavement and sign maintenance and snow removal costs.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		150	150	150	150	600
Total		150	150	150	150	600

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

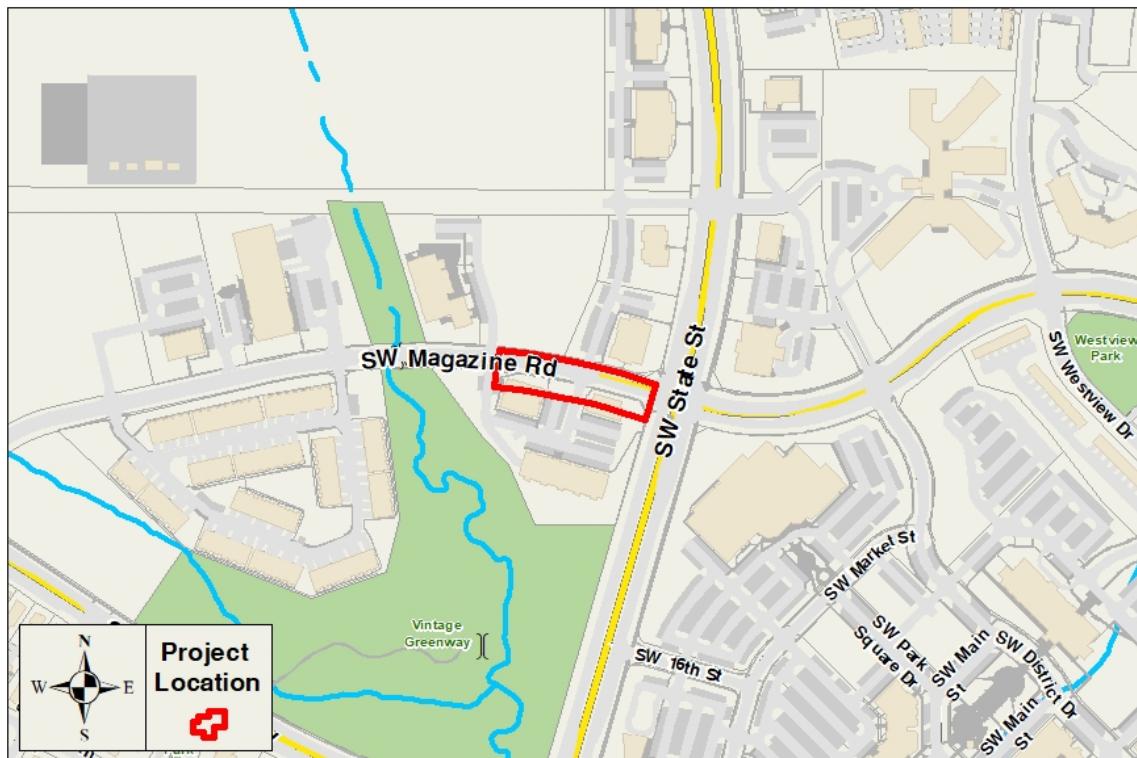
2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # **STR-23-006**

Project Name **SW Magazine & State St Intersection Improvements**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STR-24-001

Project Name NW Prairie Ridge Dr/9th St & Ash Dr Intersection

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Description

This project will reconstruct and widen the intersection of NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive. The intersection will include left-turn lanes on all legs; right-turn lanes on all legs except the east leg; a new traffic signal to replace all-way stop control; converting NW Maple Street into a right-in/right-out at NW 9th Street; pedestrian improvements and drainage improvements.

Justification

This intersection serves a large volume of traffic in the northwest part of the City given its proximity to schools, commercial properties, and City facilities. During peak hours, each leg of the intersection has long queues, and traffic volumes at the intersection are projected to increase in the future. Also, NW Maple Street is approximately 200-ft. east of this intersection, and it contributes to the queueing issues. This project will improve traffic capacity, mobility and safety. City staff and the engineering consultant have been studying the intersection in 2023 to determine the recommended improvements. Survey and preliminary design are planned for 2024; final design, right-of-way acquisition, and utility relocations are planned for 2025; and construction is planned for 2026.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	200,000	165,000				365,000
Engineering-Construction Services			385,000			385,000
Construction Costs			3,700,000			3,700,000
Street Lighting			75,000			75,000
Land/ROW Acquisition		50,000				50,000
Total	200,000	215,000	4,160,000			4,575,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	200,000	215,000	4,160,000			4,575,000
Total	200,000	215,000	4,160,000			4,575,000

Budget Impact/Other

The additional public street pavement will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, the additional pavement and storm sewer infrastructure will add annual maintenance costs for the City's Public Works Department. The additional streetlights and traffic signal will increase electric power costs for the City.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			500	500	1,000	
Utilities			1,300	1,300	2,600	
Total				1,800	1,800	3,600

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

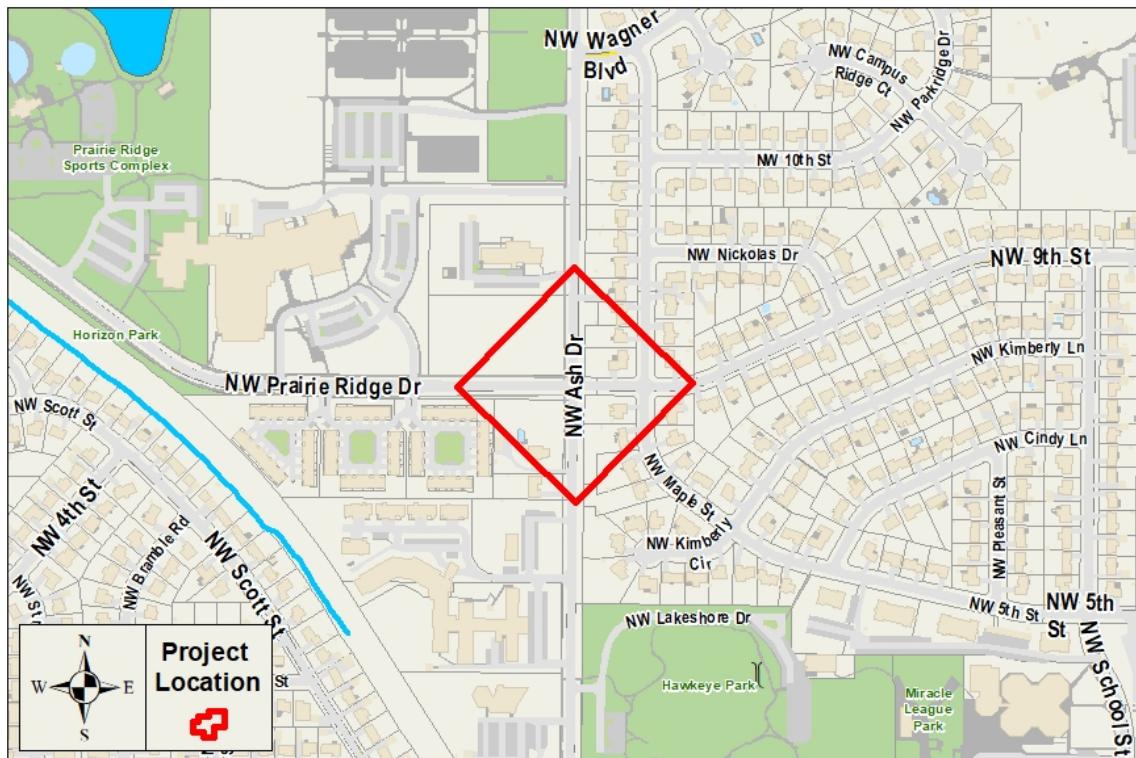
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-24-001**

Project Name **NW Prairie Ridge Dr/9th St & Ash Dr Intersection**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	40 years
Category	Streets and Alleys

Project # STR-24-002

Project Name NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv

Description

The project includes the reconstruction of street pavement and pedestrian ramps along NE Chambers Parkway from 200-ft. south of NE Williamsburg Drive to NE 16th Street. The project will include removing and replacing existing pavement, sidewalk, and pedestrian ramps. New PCC pavement will be constructed with geogrid and modified subbase. The project includes consultant survey, design, and construction services.

Justification

The purpose of the project is to replace significantly deteriorated pavement, which was likely caused by poor soil conditions, along the NE Chambers Parkway corridor. The project also includes bringing existing pedestrian ramps into American with Disabilities Act (ADA) compliance.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		150,000				150,000
Engineering-Construction Services			75,000			75,000
Construction Costs			975,000			975,000
Total	150,000	1,050,000				1,200,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		150,000	1,050,000			1,200,000
Total	150,000	1,050,000				1,200,000

Budget Impact/Other

The project will reduce the annual maintenance costs for the City as the Public Works Department will not have to do frequent preventative maintenance to the deteriorated sections of NE Chambers Parkway. The impact will not be realized until after construction, beginning in 2027. Upgrading existing pedestrian ramps and bringing them into ADA compliance may reduce the number of complaints City staff follow up with regarding non-compliant ramps.

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs				-3,500	-3,500	-7,000
Total				-3,500	-3,500	-7,000

2024 - 2028 Capital Improvement Program

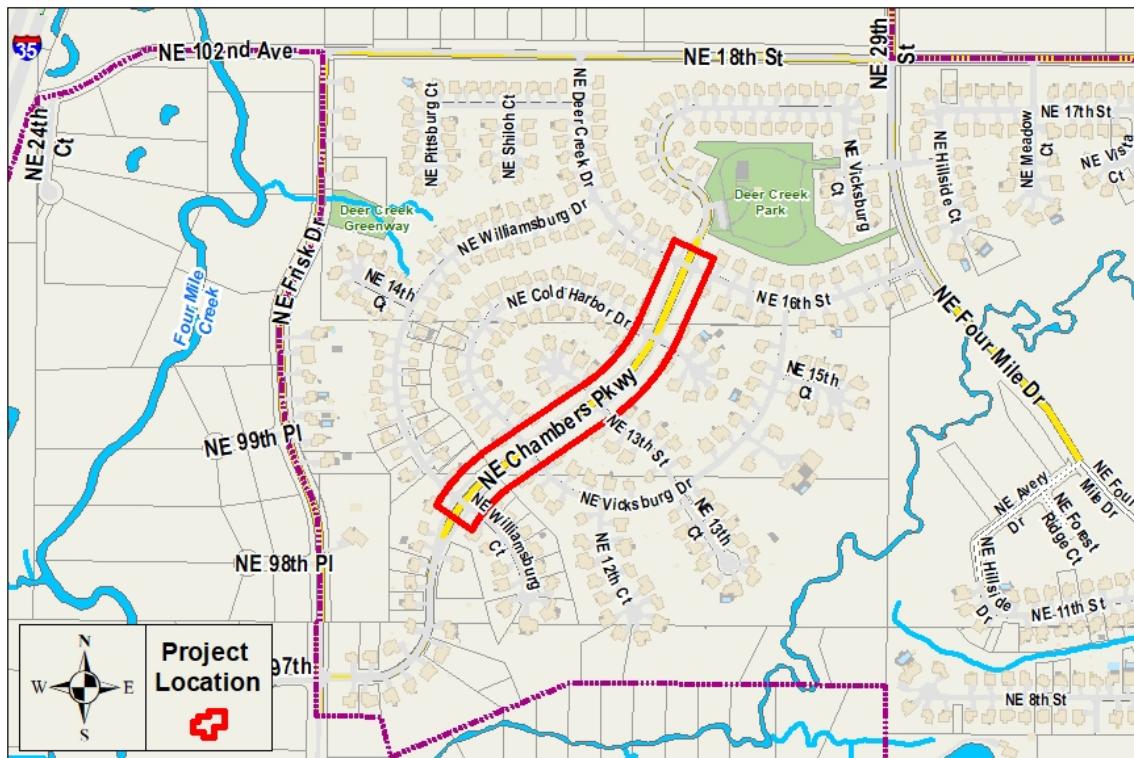
2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact City Engineer

Project # STR-24-002

Project Name NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # STR-24-003
Project Name SE Creekview Drive Extension

Department	Public Works
Contact	City Engineer
Type	Improvement
Useful Life	40 years
Category	Streets and Alleys

Description

This project will extend SE Creekview Drive from the current existing north limit near Tones to approximately 1,400 feet north. Proposed improvements include two-lane PCC curb-and-gutter paving, storm sewers, sidewalks, and streetlights.

Justification

This project is being proposed to help stimulate potential business growth along SE Creekview Drive. The tax base and new jobs generated by these developments will be substantial. Elwell Company and Civil Design Advantage will be applying for an Iowa DOT Revitalize Iowa's Sound Economy (RISE) grant. The City will oversee the design and construction of the project in accordance with the RISE eligibility requirements, but a portion of the street project costs will be funded by the Iowa DOT RISE grant and the remaining will be funded by Elwell Company.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	325,000					325,000
Construction Costs		1,700,000				1,700,000
Total	2,025,000					2,025,000

Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants	925,000					925,000
Private Contributions	1,100,000					1,100,000
Total	2,025,000					2,025,000

Budget Impact/Other

After completion, the added streets and utilities will be the responsibility of the City to maintain. The annual maintenance costs will be the responsibility of the Public Works Department. The additional street lights along the roadway will also be an additional annual City expense for electric power.

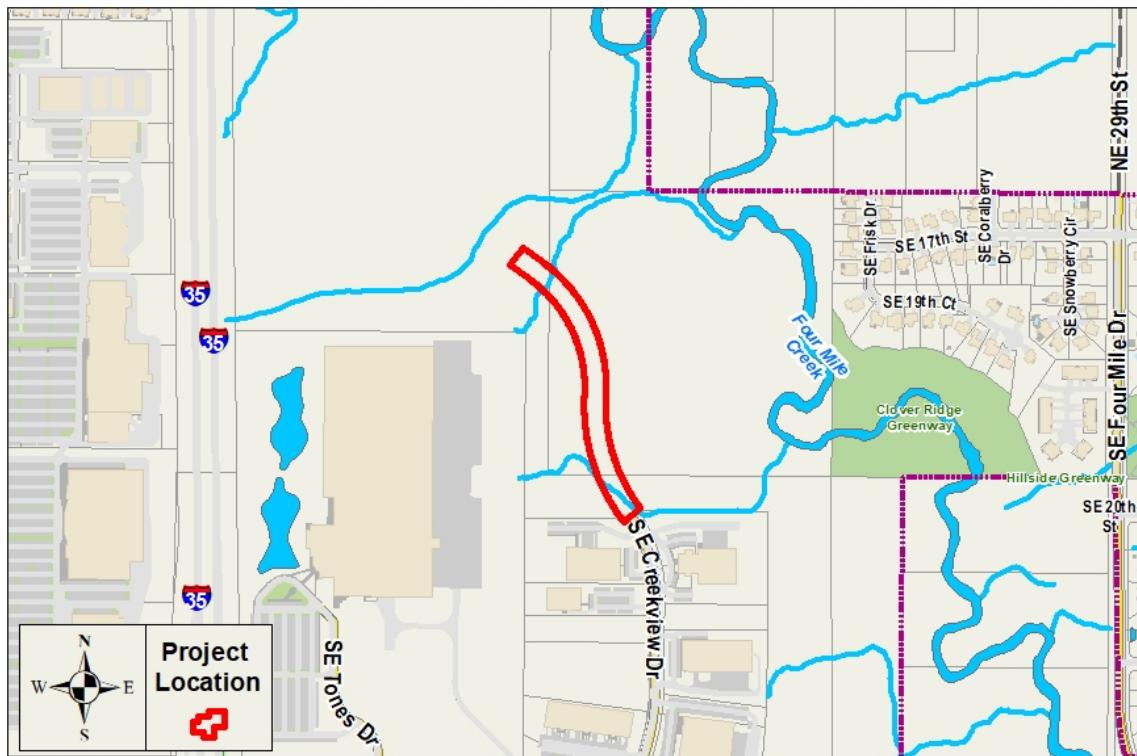
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # STR-24-003

Project Name SE Creekview Drive Extension



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project #	TRF-00-001
Project Name	Annual Traffic Signal Improvement Program

Department	Public Works
Contact	City Engineer
Type	New Construction
Useful Life	20 years
Category	Traffic Control

Description

Proposed locations for new traffic signals and minor fiber optic upgrades (listed in order of priority):

2024 – SE Delaware Avenue signal equipment upgrades: SE National Drive to SE Magazine Road - \$400,000
 2024 – SE Delaware Avenue and SE 54th Street traffic signal - \$662,000
 2024 – SE Delaware Avenue and private drive traffic signal cost share - \$195,000
 2024 – East 1st Street and Four Mile Drive traffic signal and left turn lanes cost share - \$307,000
 2024 – Miscellaneous traffic control upgrades: anticipated – South Ankeny Boulevard and SE Oralabor Road pan-tilt-zoom (PTZ) camera installation and NW 5th Street and NW School Street rectangular rapid flashing beacons installation - \$40,000

2025 – SE Oralabor Road and SE Four Mile Drive traffic signal - \$140,000
 2025 – SW State Street and NW 72nd Place westbound right-turn lane and signal upgrade - \$330,000
 2025 – South Ankeny Boulevard and SE 8th Street traffic signal - \$325,000
 2026 – SE Oralabor Road and SE Four Mile Drive traffic signal - \$570,000
 2026 – South Ankeny Boulevard and SE Lorenz Drive traffic signal replacement - \$325,000
 2025 – 2028 – Concept studies - \$40,000 per year
 2025 – 2028 – Miscellaneous traffic control upgrades - \$40,000 per year
 2025 – 2028 – Cost-sharing for traffic signal improvements constructed by developer - \$150,000 per year
 2026 – 2028 – Traffic signal and fiber optic projects, TBD - \$710,000 per year
 2027 – 2028 – Traffic signal replacements, TBD – \$330,000 per year
 2027 – 2028 – Fiber optic upgrades, TBD - \$220,000 per year

Justification

An effective and efficient transportation system improves traffic safety and mobility, reduces energy costs and enhances the quality of life for residents. A robust and dependable communication system is key to management of the street network. The proposed locations of traffic signals and fiber optic upgrades are reviewed annually and planning level costs are used. The City's partial reimbursements for traffic signals designed and constructed by developers are included in this form. Traffic counts in September 2023, review of crash experience, and concept studies will identify intersections for signalization or other improvement in year 2026 and beyond. There is potential to obtain federal and/or state funding for traffic signals proposed at intersections with state highways.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	54,000	100,000	125,000	150,000	150,000	579,000
Construction Costs	1,300,000	810,000	910,000	1,240,000	1,240,000	5,500,000
Other Costs	250,000	115,000	150,000	100,000	100,000	715,000
Total	1,604,000	1,025,000	1,185,000	1,490,000	1,490,000	6,794,000
Funding Sources	2024	2025	2026	2027	2028	Total
County Contributions		50,000				50,000
G.O. Bonds	1,514,000	975,000	1,185,000	1,490,000	1,490,000	6,654,000
Private Contributions	90,000					90,000
Total	1,604,000	1,025,000	1,185,000	1,490,000	1,490,000	6,794,000

Budget Impact/Other

In the long-term, additional traffic signal infrastructure will add annual maintenance costs for the City's Public Works Department. Industry standards recommend one FTE signal technician per 30-35 traffic signals, plus one FTE fiber optic technician per 100 devices. New traffic signals will result in additional electric power costs for the City.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities	5,500	6,200	6,900	7,600	8,300	34,500
Total	5,500	6,200	6,900	7,600	8,300	34,500

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # **TRF-00-001**

Project Name **Annual Traffic Signal Improvement Program**



city of
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2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # TRF-23-001

Project Name Fiber Optic Network Upgrade

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Traffic Control

Description

This project implements the master fiber optic redundancy needed for both the traffic signal communication network utilized by the Public Works Department and the overall City operations network managed by the Information Technology (IT) Department. The project will place approximately 180,000 feet of fiber optic cable and 100 splice enclosures to implement efficient path-diverse fiber optic rings for primary and secondary communications between traffic signals and between City facilities.

Justification

The Fiber Optic Network Upgrade will implement Phase 1 of the ultimate fiber optic network build-out identified in the Fiber Optic Network Master Plan. The Plan's purpose is to provide a more reliable and maintainable network while allowing flexibility and scalability to support future growth and expanded use of technology. Completing the improvements as a nearly-single project will reduce the "lost" costs associated with completing multiple smaller segments, and it will result in a more robust system overall. This project will also replace much of the fiber optic infrastructure construction or relocation included with other future capital improvement projects, except as needed for expansion to new areas or facilities. At this time, the planning-level cost estimates are broad and conservative, and it is expected that the preliminary design underway in 2023 will provide numerous opportunities for value engineering. The proposed schedule includes final design and purchase of fiber optic cable and conduit in 2024, with construction of the conduit system in 2025 and 2026 including infrastructure to planned Fire Station No. 4 in fall 2025, followed by the remainder of fiber optic cable placement, splicing, terminating, and testing of the fiber in 2027. Applying for Iowa Clean Air Attainment Program (ICAAP) funding for the project will be considered.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	225,000					225,000
Engineering-Construction Services		40,000	30,000	50,000		120,000
Construction Costs		765,000	470,000	560,000		1,795,000
Other Costs	425,000					425,000
Total	650,000	805,000	500,000	610,000		2,565,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	650,000	805,000	500,000	610,000		2,565,000
Total	650,000	805,000	500,000	610,000		2,565,000

Budget Impact/Other

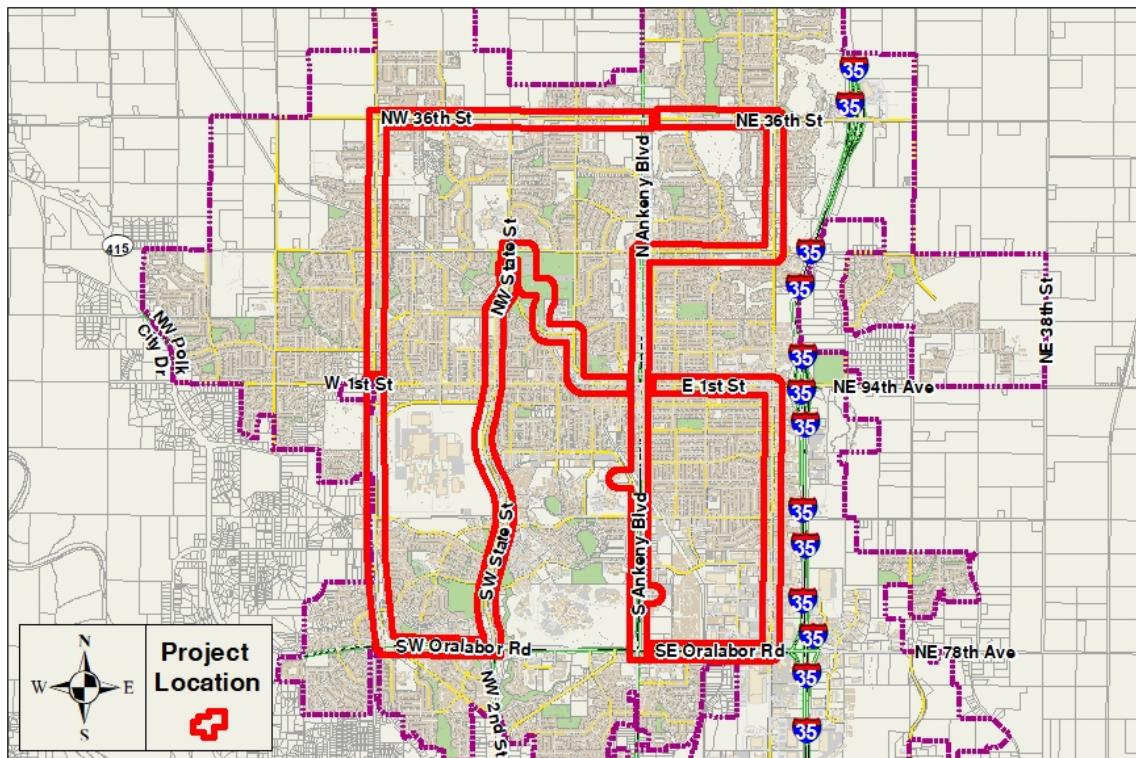
The project upgrades the City's existing fiber optic system to provide more reliable service and reduce outages, so a minimal impact to operating costs is expected.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project # TRF-23-001
Project Name Fiber Optic Network Upgrade



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Traffic Control

Project # TRF-23-002

Project Name SE Corporate Woods and Crosswinds Traffic Signal

Description

The project includes design and construction of a traffic signal at the SE Corporate Woods Drive and SE Crosswinds Drive intersection in 2024.

Justification

The project will fulfill the City's commitment established in the development agreement with Crosswinds Business Park Building I, LLC (developer) in March 2021, to construct a traffic signal at the intersection of SE Corporate Woods Drive and SE Crosswinds Drive when needed and warranted. The developer agreed to provide any right-of-way and/or easements needed for the project at no cost to the City and to reimburse the City for 25% of the traffic signal construction cost. The maximum reimbursement amount is adjusted for inflation over ten years.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	5,000					5,000
Construction Costs	380,000					380,000
Other Costs	100,000					100,000
Total	485,000					485,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	405,000					405,000
Private Contributions	80,000					80,000
Total	485,000					485,000

Budget Impact/Other

In the long-term, the additional traffic signal infrastructure will add annual maintenance costs for the City's Public Works Department. Industry standards recommend one FTE signal technician per 30-35 traffic signals, plus one FTE fiber optic technician per 100 devices. The new traffic signal will result in additional electric power costs for the City.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities		300	300	300	300	1,200
Total		300	300	300	300	1,200

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

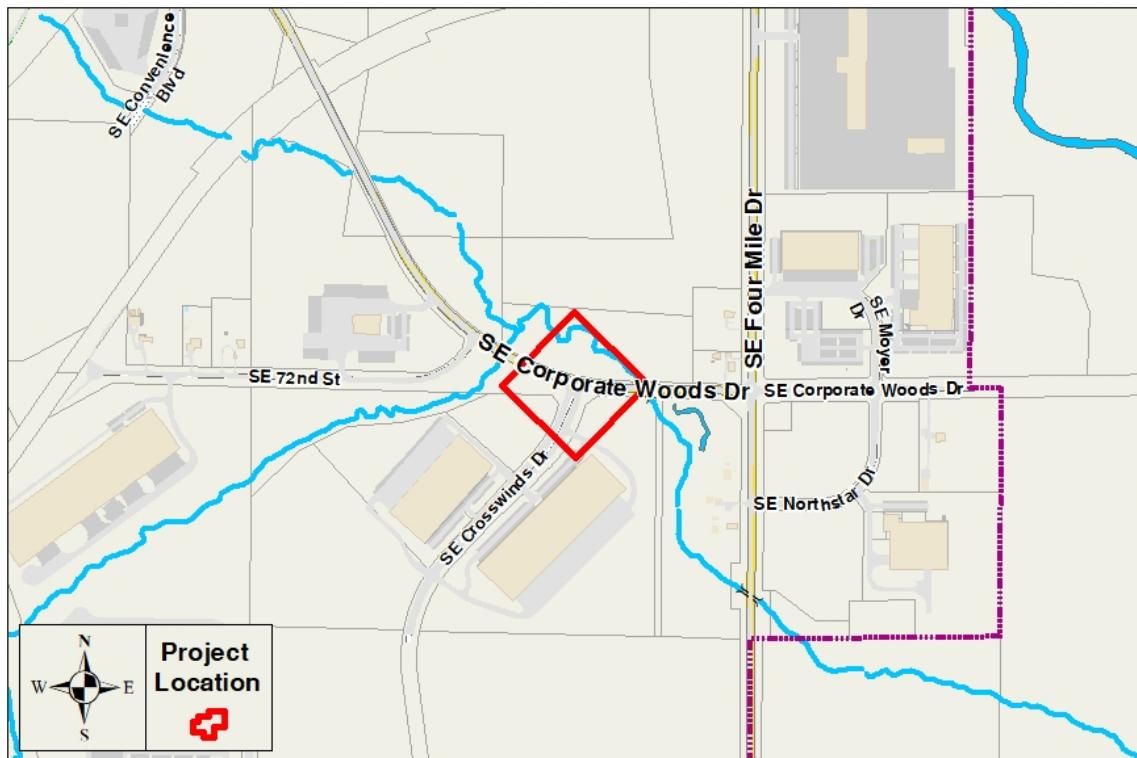
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **TRF-23-002**

Project Name **SE Corporate Woods and Crosswinds Traffic Signal**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Project # **WTM-00-001**
Project Name **Annual Water Main Replacement Program**

Department	Water Utility
Contact	Municipal Utilities Director
Type	Improvement
Useful Life	40 years
Category	Water Mains

Description

Annual allocation of capital improvement funds for repair and replacement of water utility infrastructure and the Water Fund's portion of the neighborhood projects.

Specific projects for 2024 to 2028 include the following:

- Development water main oversizing: 2024 to 2028 – \$75,000
- 1/3 NW Northlawn Area Utility Improvements (2 of 4 phases remaining):
 - 2024 - \$600,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)
 - 2025 - \$650,000 (Phase 4 construction) and \$25,000 (Phase 4 construction engineering)
- 1/3 Westlawn Place Area Utility Improvements (number of phases TBD, potentially 6 to 8):
 - 2024 - \$100,000 (stormwater study, survey, and preliminary conceptual design)
 - 2025 - \$50,000 (final conceptual design and Phase 1 design engineering)
 - 2026 - \$700,000 (Phase 1 construction) and \$25,000 (Phase 1 construction engineering) and \$25,000 (Phase 2 design engineering)
 - 2027 - \$750,000 (Phase 2 construction) and \$25,000 (Phase 2 construction engineering) and \$25,000 (Phase 3 design engineering)
 - 2028 - \$800,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)

Justification

The water main proposed for replacement are primarily 4-inch iron pipe prioritized based upon their history of water main breaks. They are inadequate for supplying fire flows based on industry and SUDAS standards and require additional O&M to maintain water quality. Development Engineering staff will be used for the design and construction observation whenever possible; however, the full reconstruction and utility replacement projects (NW Northlawn and Westlawn Place projects) anticipate the use of a consulting engineer for design and construction management. The water main oversizing has increased due to the use of 16-inch main that will be cost shared for several upcoming projects along major corridors.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	25,000	50,000	25,000	25,000	25,000	150,000
Engineering-Construction Services	25,000	25,000	25,000	25,000	25,000	125,000
Construction Costs	675,000	725,000	775,000	825,000	875,000	3,875,000
Survey/Preliminary Analysis	100,000					100,000
Total	825,000	800,000	825,000	875,000	925,000	4,250,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	125,000	75,000	75,000	100,000	125,000	500,000
Water Fund	700,000	725,000	750,000	775,000	800,000	3,750,000
Total	825,000	800,000	825,000	875,000	925,000	4,250,000

Budget Impact/Other

The operating impact for this project will be negligible from the maintenance aspect due to the replacement of old and deteriorating water main with new PVC main. There will be staff hours during design and engineering for administration personnel, and field services personnel during construction. Researching old plans, field verifications, contract and plan reviews, operating valves, locating, and on-site observations. Water will be needed for testing, flushing, and filling the various mains.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility
Contact Municipal Utilities Director

Project # **WTM-00-001**

Project Name **Annual Water Main Replacement Program**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type Improvement

Useful Life 40 years

Category Water Mains

Project # WTM-17-008

Project Name Saylorville Feeder Main Purchase Capacity

Description

Purchase the remaining capacity in the Saylorville Water Treatment Plant north feeder main, which is an existing 24-inch transmission main that extends north along NW 26th Street from NW 66th Avenue through our meter pit to SW Oralabor Road. Des Moines Water Works (DMWW) has extended a new 20-inch water main to provide water to Polk City allowing all of the 24-inch main to be used to supply water to the City of Ankeny.

Justification

The purpose of this purchase is to provide additional transmission pipe capacity to support future water needs in Ankeny.

Expenditures	2024	2025	2026	2027	2028	Total
Other Costs	604,000					604,000
Total	604,000					604,000
Funding Sources	2024	2025	2026	2027	2028	Total
Water Revenue Bonds	604,000					604,000
Total	604,000					604,000

Budget Impact/Other

Additional source capacity for future growth and water demands. Since the City is purchasing the remaining capacity within the existing 24-inch water main, there are no expected costs from an operational impact.

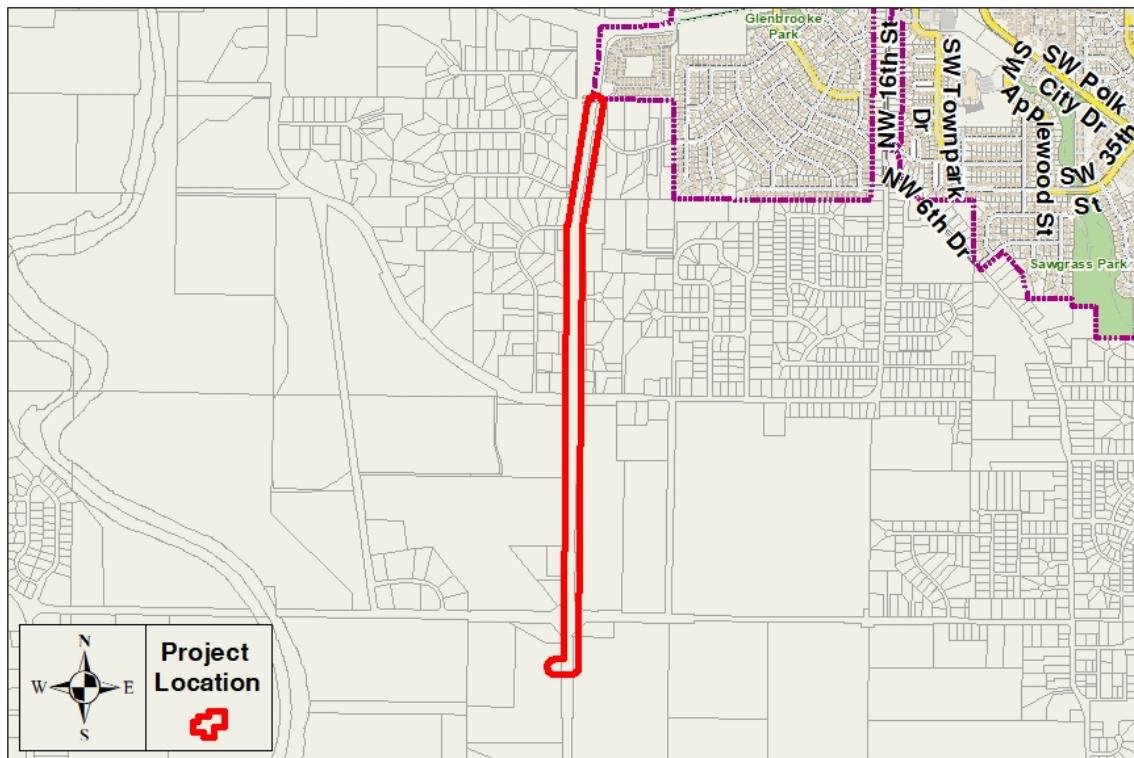
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility
Contact Municipal Utilities Director

Project # **WTM-17-008**

Project Name **Saylorville Feeder Main Purchase Capacity**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Mains

Project # WTM-19-001

Project Name South Ankeny Boulevard Water Main Improvements

Description

Install approximately 1,850 LF of 16" water main extension along the west side of South Ankeny Boulevard from just north of SW Ordnance Road to SE Peterson Street. This project will provide increased reliability within the transmission/distribution system within this area of the City. The project will utilize both open-cut and trenchless construction, in order to minimize disruption to the existing businesses along South Ankeny Boulevard.

Justification

Existing waterlines within the subject area have experienced frequent breaks due to age and are undersized. Construction of this transmission main will help maintain system pressure and reduce maintenance issues within the service area and provide a more reliable water source to area residents.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design			128,000			128,000
Engineering-Construction Services				100,000		100,000
Construction Costs				1,072,000		1,072,000
Total			128,000	1,172,000		1,300,000

Funding Sources	2024	2025	2026	2027	2028	Total
Water Revenue Bonds			128,000	1,172,000		1,300,000
Total			128,000	1,172,000		1,300,000

Budget Impact/Other

This project can reduce the frequency of maintenance of the pumps at the Magazine Pump Station as they will not have to work as hard to get water into our distribution system. Less friction loss in larger diameter pipes means pumps will not have to work at higher internal pressures, reducing wear and tear and possibly lowering electrical costs due to lower amp draw. It will take about 197,500 gallons to fill and flush the new main.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities				980		980
Total				980		980

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

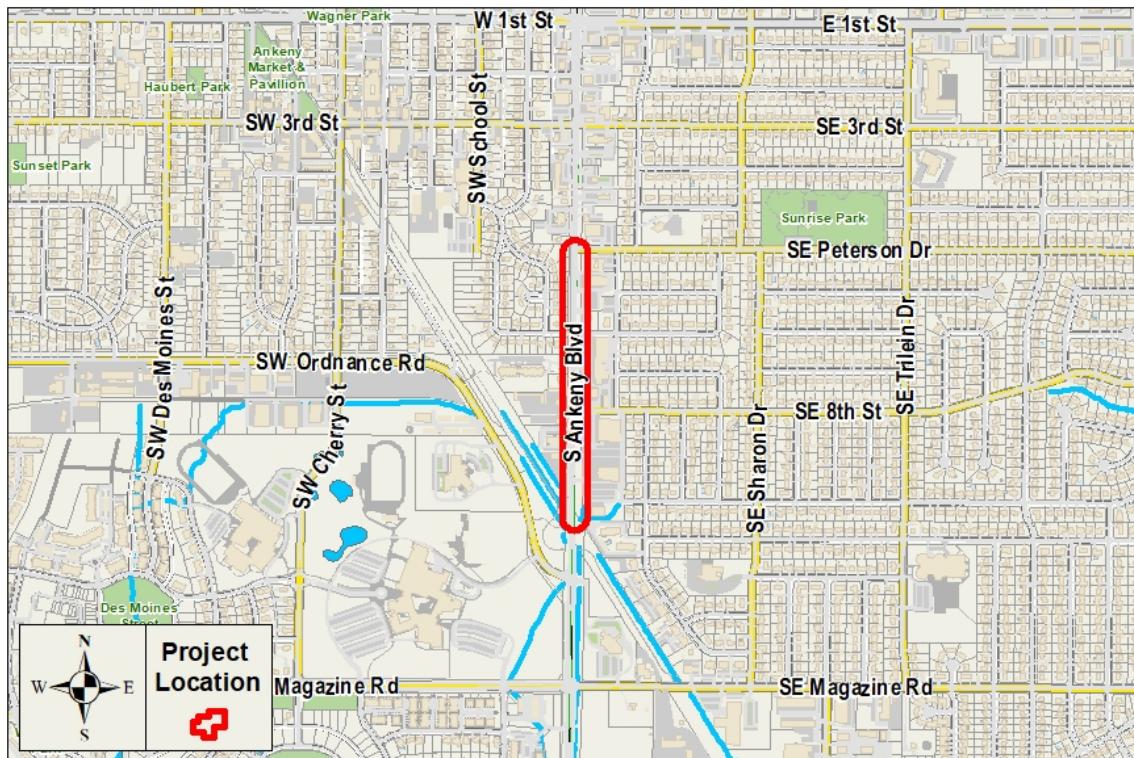
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # WTM-19-001

Project Name South Ankeny Boulevard Water Main Improvements



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Mains

Project # WTM-20-002

Project Name SW Walnut Street and SW Ordnance Road Water Main

Description

Install approximately 3,600 LF of 8" water main along the west side of SW Walnut Street from SW 3rd Street to the north side of SW Ordnance Road, and along SW Ordnance Road from SW Cherry Street to an existing main adjacent to the police station. The project will provide increased reliability of the distribution system within this area, as the main will be upsized from 4" to 8". The project will utilize open cut construction, and a temporary water supply system will be utilized to keep the existing homes within the area in service.

Justification

The existing 4" water main within the area is undersized by current standards. Installation of the larger water main, along with connection to surrounding main(s) provides a reliable looped system and helps to maintain better distribution system pressures and fire flows within the area. This project will be coupled with a parking improvement project within the Uptown area which includes improvements along SW Walnut Street. The cost for these improvements is estimated at \$320,000.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	295,000					295,000
Engineering-Construction Services		196,000				196,000
Construction Costs		1,984,000				1,984,000
Total	295,000	2,180,000				2,475,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - TIF Abated		320,000				320,000
Water Revenue Bonds	295,000	1,860,000				2,155,000
Total	295,000	2,180,000				2,475,000

Budget Impact/Other

The operating impact will have negligible cost implications as it will primarily help the fire flows in the area. It will take about 56,500 gallons to fill and flush the new main.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities			255			255
Total			255			255

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

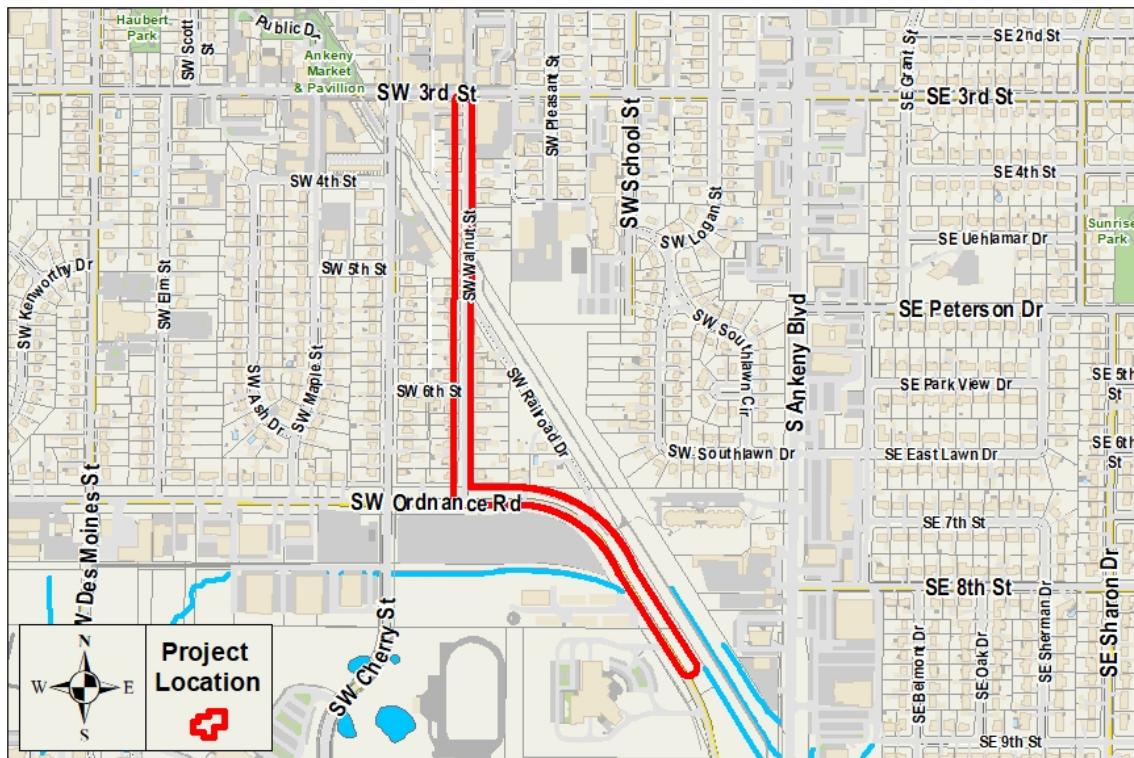
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTM-20-002**

Project Name **SW Walnut Street and SW Ordnance Road Water Main**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Mains

Project # WTM-21-009

Project Name NE 36th St and NE 38th St Water Main Loop

Description

The NE 36th Street and County NE 38th Street Water Main Loop project will include installation of approximately 11,500 LF of 16-inch water main on the south side of NE 36th Street and the west side of County NE 38th Street to create a loop between the 16-inch water main that ends north of NE 18th Street along County NE 38th Street and the 16-inch water main along NE 36th Street.

Justification

This project will connect the 16-inch distribution main near the intersection of NE 36th Street and NE Four Mile Drive to the 16-inch distribution main near the intersection of NE 18th Street and County NE 38th Street. This will improve fire flows and provide a redundant water main connection that will allow future repairs to be done with minimal impact to the surrounding properties.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	200,000					200,000
Construction Costs	2,000,000					2,000,000
Land/ROW Acquisition	100,000					100,000
Total	2,300,000					2,300,000

Funding Sources	2024	2025	2026	2027	2028	Total
Water Revenue Bonds	2,300,000					2,300,000
Total	2,300,000					2,300,000

Budget Impact/Other

It will require about 720,000 gallons of water to fill and flush the new main.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities	2,700					2,700
Total	2,700					2,700

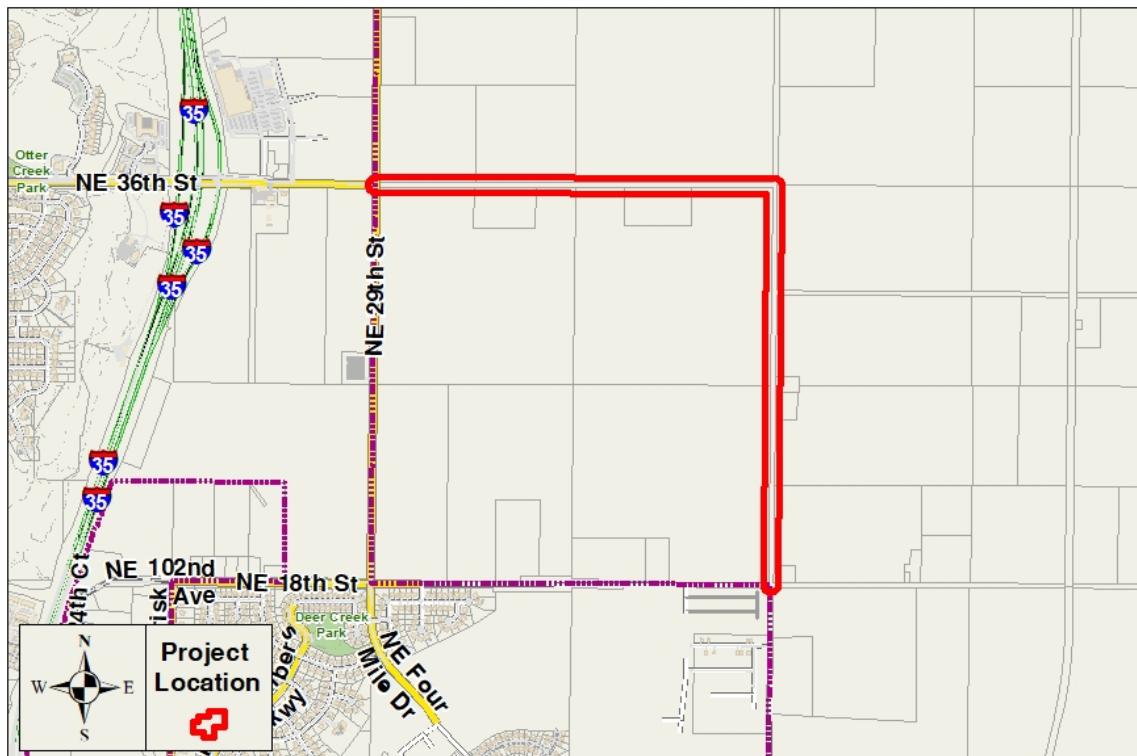
2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility
Contact Municipal Utilities Director

Project # **WTM-21-009**

Project Name **NE 36th St and NE 38th St Water Main Loop**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type Improvement

Useful Life 40 years

Category Water Mains

Project # WTM-24-001

Project Name SW Linden and SW Sharmin Water Main Improvements

Description

Install approximately 1,300 LF of 8" water main between SW Linden Street and SW Sharmin Drive, located north of SW 3rd Street. By upsizing from 6" to 8" diameter pipe, the installation of this water main will provide increased reliability for the distribution system within this area. The project will utilize both open-cut and trenchless construction methods, and will require reconnection of approximately 15 existing services. Construction for this project will be in 2029. It will have a cost of \$50,000 for engineering and \$515,000 for construction for a total of \$565,000.

Justification

The existing 6" water main within the area is undersized by current standards. Installation of the larger water main, along with connection to surrounding main(s) provides a reliable looped system and helps to maintain better distribution system pressures and fire flows within the area. This existing water main has experienced frequent breaks due to age, and portions of the landscape in this section make it difficult to find the break.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design					60,000	60,000
Total					60,000	60,000
Funding Sources	2024	2025	2026	2027	2028	Total
Water Revenue Bonds					60,000	60,000
Total					60,000	60,000

Budget Impact/Other

The operating impact will have negligible cost implications as it will primarily help the fire flows in the area. It will take about 21,000 gallons to fill and flush the new main.

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

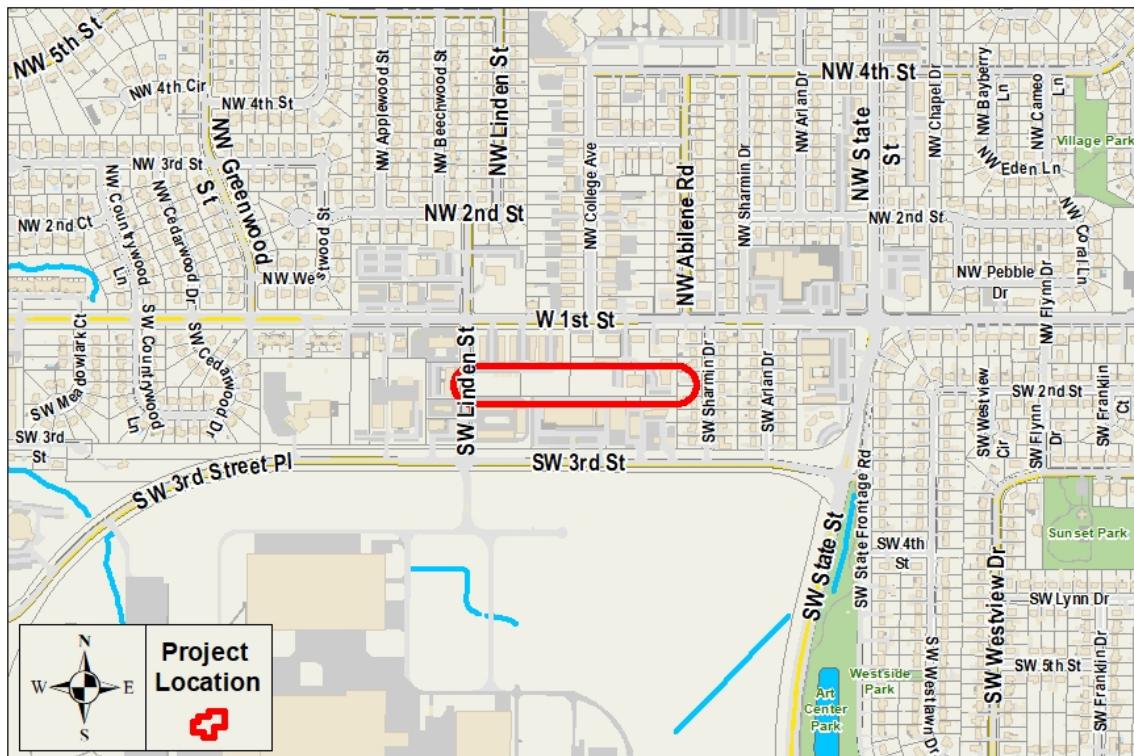
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # WTM-24-001

Project Name SW Linden and SW Sharmin Water Main Improvements



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Towers/Storage

Project # WTT-19-002

Project Name Northwest Water Tower

Description

Construct a new 2.5 million gallon elevated water storage tank in the NW quadrant of the City to provide additional water storage and more reliable water pressure and flow to the NW quadrant of the City.

Justification

The site for this future water tower, located just north of NW 36th Street on the east side of NW Irvinedale Drive, was selected and purchased in 2018.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	940,000					940,000
Construction Costs	10,355,000					10,355,000
Total	11,295,000					11,295,000
Funding Sources	2024	2025	2026	2027	2028	Total
Water Revenue Bonds	11,295,000					11,295,000
Total	11,295,000					11,295,000

Budget Impact/Other

This project will provide some savings in electricity and maintenance of the pumps at the NW Booster Station as they will not need to work as hard to maintain pressure within the northwest portion of the City as the tower will reduce fluctuation in pressure based on the elevation of the water in the tank versus the continuous change in pressure from the pumps. Filling and flushing of mains and the new NW Water Tower would take approximately 5,000,000 gallons of water.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities	18,800					18,800
Total	18,800					18,800

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

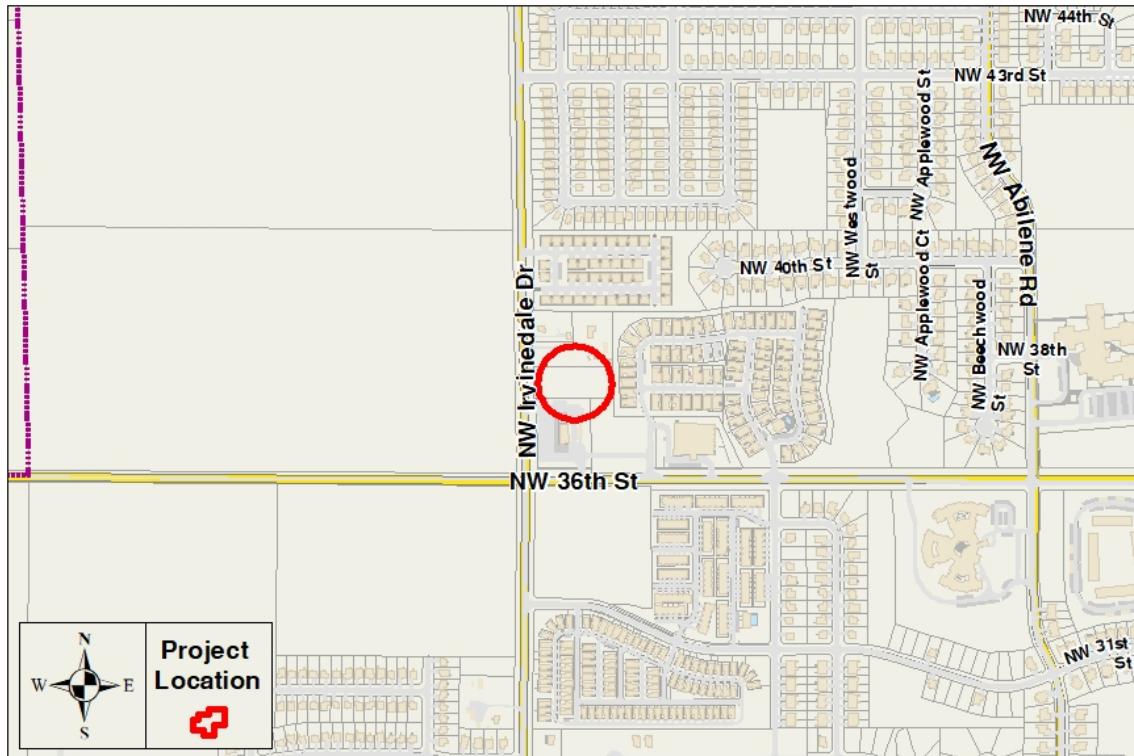
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTT-19-002**

Project Name **Northwest Water Tower**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type Maintenance

Useful Life 20 years

Category Water Towers/Storage

Project # WTT-20-002

Project Name SE Magazine Ground Storage Tank Repaint

Description

This project is to repaint the interior and exterior of the SE Magazine Ground Storage Tank. The existing paint is starting to show signs of wear as the usefulness of the existing coating is breaking down. Typically, painted surfaces can last in the 15-20 year range. This ground storage tank was last painted around the year 2002.

Justification

This project is needed to maintain the ability to provide safe and potable drinking water to Ankeny residents. Dixon Engineering completed a review of the City's existing water storage infrastructure and made recommendations to recoat both the interior and exterior of the SE Magazine Ground Storage Tank. This tank is showing signs of streaking and spotting rust in areas on both surfaces. A dry abrasive blast cleaning will be required to remove the existing coatings; overcoating is not recommended due to the age of the existing coatings.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	80,000					80,000
Construction Costs	646,000					646,000
Total	726,000					726,000

Funding Sources	2024	2025	2026	2027	2028	Total
Water Revenue Bonds	726,000					726,000
Total	726,000					726,000

Budget Impact/Other

The operating impact will include approximately 300,000 gallons to flush out the existing tank.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities	1,150					1,150
Total	1,150					1,150

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

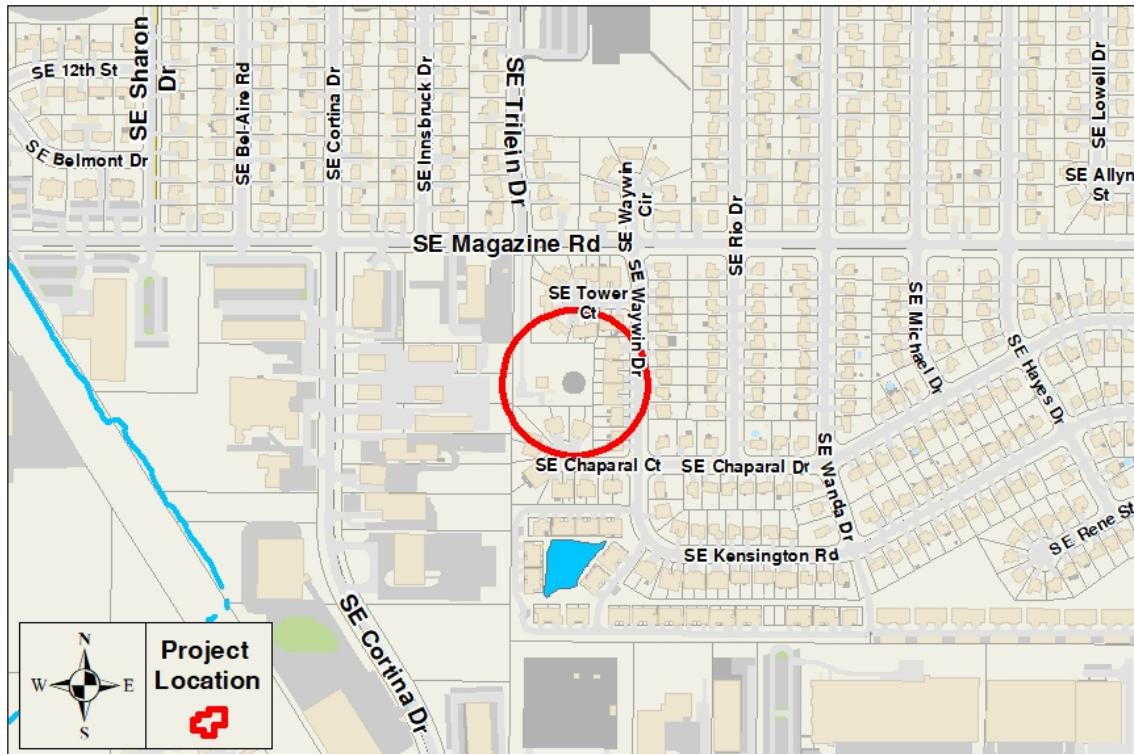
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTT-20-002**

Project Name **SE Magazine Ground Storage Tank Repaint**



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type Improvement

Useful Life 20 years

Category Water Towers/Storage

Project # WTT-23-001

Project Name SW Irvindale Elevated Storage Tank Repaint

Description

This project is to repaint the interior and exterior of the SW Irvindale Elevated Storage Tank. The existing paint is starting to show signs of wear as the usefulness of the existing coating is breaking down. Typically, painted surfaces can last in the 15-20 year range. With the exception of interior spot repairs in 2020, this tower has not been repainted since it was installed in 2009.

Justification

This project is needed to maintain the ability to provide safe and potable drinking water to Ankeny residents. The existing paint has some spot failures, showing signs of streaking and spotting rust on both surfaces, and the exterior topcoat shows signs of delamination. To overcoat this facility, it would require a brush blast to rough up the existing surface to allow for a better bonding of new coating to existing coating.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design				90,000		90,000
Engineering-Construction Services					77,000	77,000
Construction Costs					1,110,000	1,110,000
Total				90,000	1,187,000	1,277,000

Funding Sources	2024	2025	2026	2027	2028	Total
Water Fund				90,000		90,000
Water Revenue Bonds					1,187,000	1,187,000
Total				90,000	1,187,000	1,277,000

Budget Impact/Other

The operating impact will include approximately 1,500,000 gallons to flush out the existing tank.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities					8,200	8,200
Total					8,200	8,200

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

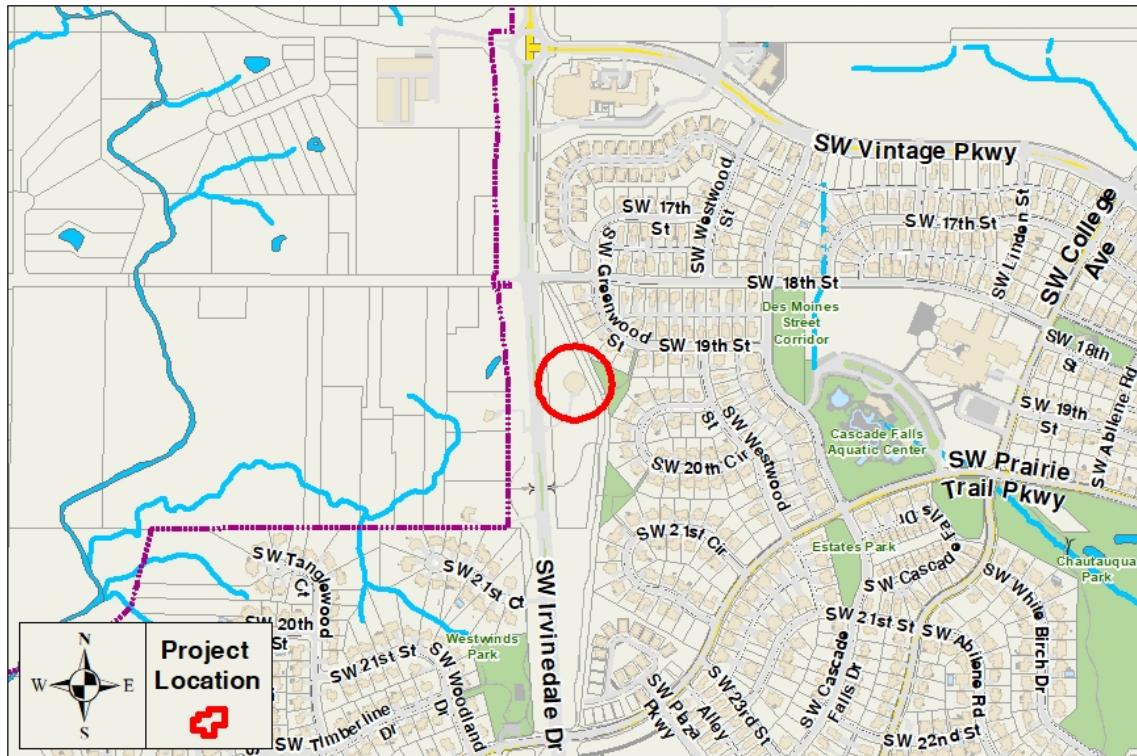
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # WTT-23-001

Project Name SW Irvinedeale Elevated Storage Tank Repaint



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Towers/Storage

Project # WTT-24-001

Project Name East Water Tower

Description

Construct a new 2 million gallon elevated water storage tank to provide additional water storage and more reliable water pressure and flow to the eastern part of the City.

Justification

The proposed site is located near East 1st Street and County NE 38th Street. The property has not been purchased, so the exact location is yet to be determined. The tower is needed to provide reliable water pressure and flow for the surrounding areas.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		400,000				400,000
Engineering-Construction Services			400,000			400,000
Construction Costs			10,000,000			10,000,000
Total		400,000	10,400,000			10,800,000

Funding Sources	2024	2025	2026	2027	2028	Total
Water Revenue Bonds		400,000	10,400,000			10,800,000
Total		400,000	10,400,000			10,800,000

Budget Impact/Other

The design phase would require approximately 100 hours of staff time for review. Field staff will be needed toward the completion of construction with the filling and flushing of mains and the new East Water Tower. Filling and flushing of mains and the tower would take approximately 4,000,000 gallons of water.

Budget Items	2024	2025	2026	2027	2028	Total
Utilities				19,840		19,840
Total				19,840		19,840

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

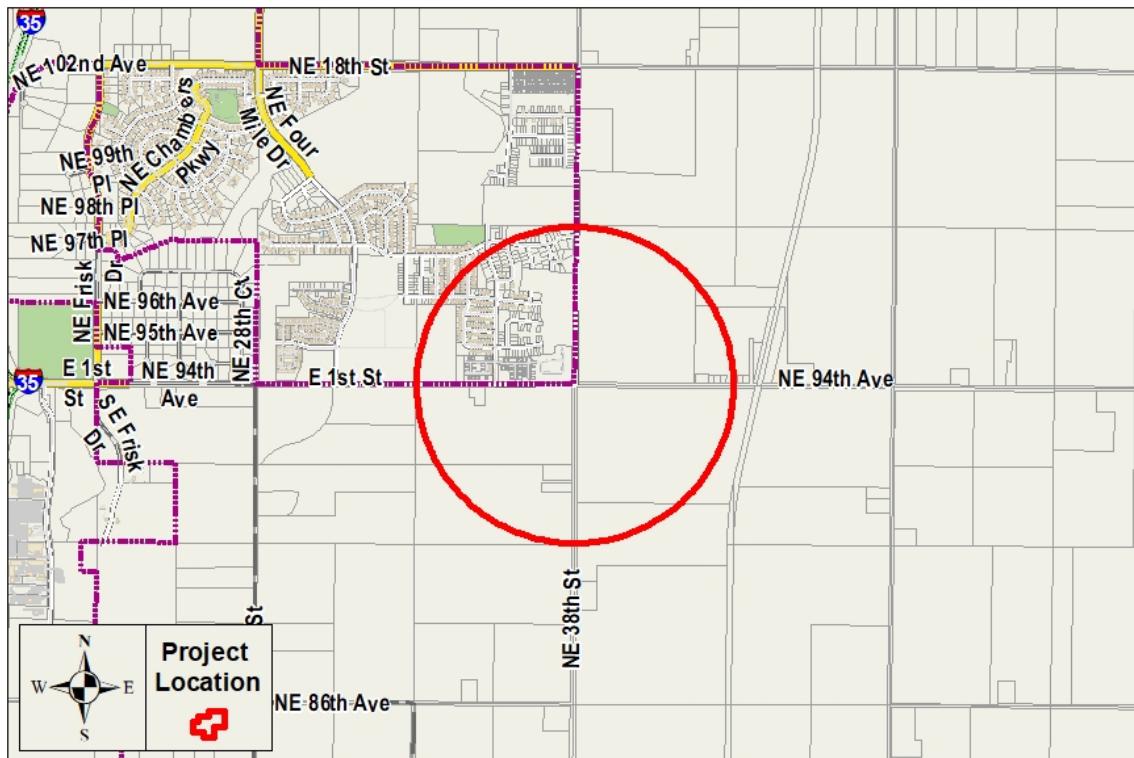
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # WTT-24-001

Project Name East Water Tower





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