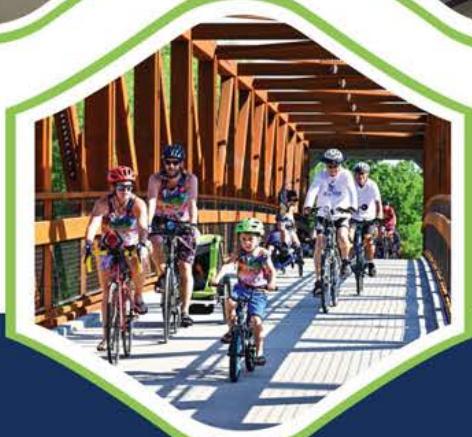


CAPITAL IMPROVEMENT PROGRAM

2023-2027



2023-2027

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 2024 budget. It includes the costs associated with the 2023 capital projects, the first year of the 2023-2027 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 2023-2027 Capital Improvement Program reflects a \$35,162,889 increase in project expenditures over last year's program due to large increases in the bridge/box culvert, park facilities, storm water, streets and traffic control categories. The bridge/box culvert, streets and traffic control categories have grown as a result of adding projects to the capital improvement program, specifically the NE 18th Street Bridge over Interstate 35, NE 62nd Street RCB Culvert for Four Mile Creek Tributary, North Ankeny Boulevard Improvements – 1st Street to 11th Street, South Ankeny Boulevard Improvements – SE Peterson Drive to 1st Street and the Fiber Optic Network Upgrade. The increase in park facilities is related to adding pickleball courts to the Des Moines Street Parks project and the addition of the Prairie Ridge Sports Complex Tennis Courts Overlay project to the program. The increase in storm water is related to the

potential for Natural Resources Conservation Service (NRCS) grant funding for the construction of several storm water projects.

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 2023-2027 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 2023 capital improvement program projects will become part of the adopted fiscal year 2024 budget, the emphasis in the capital improvement program process is on the 2023 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 2023-2027, the capital improvement program totals \$200,022,000. Of this total, 57% is identified for transportation projects, 33% for municipal utilities (water, sewer and storm water) projects, 5% for park facilities, 4% for municipal buildings and 1% for sidewalks/trails.

Capital budget requirements for 2023 total \$58,980,000. Capital spending authorizations by project category for the upcoming year include:

| | | |
|----------------------|------------|--------|
| Bridge/Box Culvert | \$165,000 | 0.28% |
| Municipal Buildings | 1,395,000 | 2.36% |
| Park Facilities | 4,985,000 | 8.45% |
| Sanitary Sewers | 4,582,000 | 7.77% |
| Sidewalks/Trails | 535,000 | 0.91% |
| Storm Water | 2,955,000 | 5.01% |
| Streets | 23,124,000 | 39.21% |
| Traffic Control | 1,655,000 | 2.81% |
| Water Mains | 8,222,000 | 13.94% |
| Water Towers/Storage | 11,362,000 | 19.26% |

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 2023-2027 Capital Improvement Program with 63% 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 2023-2027 Capital Improvement Program.

| Funding Source | Revenue | % of Revenue |
|------------------------------|----------------------|---------------------|
| Property Taxes | \$74,290,000 | 37% |
| Grants and Intergovernmental | 21,025,661 | 11% |
| Tax Increment Financing | 13,415,500 | 7% |
| Municipal Utilities Revenues | 54,796,000 | 27% |
| Miscellaneous Revenues | 36,494,839 | 18% |
| Total | \$200,022,000 | 100% |

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 \$74,290,000, or 37%, 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. Water-abated general obligation debt—reimbursement received from water fund
3. Sewer-abated general obligation debt—reimbursement received from sewer fund
4. Storm water-abated general obligation debt—reimbursement received from storm water fund

5. Tax increment financing (TIF)-abated general obligation debt—reimbursement received from tax increment financing fund
6. 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 \$21,025,661 to be received from grant awards or intergovernmental assistance, representing 11% 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, NE Delaware Avenue Reconstruction – NE 5th Street to NE 18th Street, SW Oralabor Road and SW State Street Intersection Improvements and North Ankeny Boulevard Improvements – 1st Street to 11th Street. Staff has secured \$10.12 million from the Iowa Department of Transportation and \$4.58 million from the Des Moines Area Metropolitan Planning Organization (MPO) for these projects.

For 2023, staff has secured \$1.67 million from the Iowa DOT and \$2.61 million 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 the SW Oralabor Road and SW State Street Intersection Improvements. In addition, \$1.35 million is anticipated from the Iowa Finance Authority, Iowa Department of Agriculture and Land Stewardship and Polk County for the SE Creekview Drive Wetland.

TAX INCREMENT FINANCING

Of the five funding sources, \$13,415,500, or 7%, is being financed through TIF abatement. The Uptown Parking Improvements are planned for construction in 2023. This project is located within the Ankeny 1991 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 \$54,796,000, or 27%, of the capital improvement program financial plan.

Projects within the annual utility programs for 2023 include:

- NW Northlawn Area utility improvements;
- Sanitary sewer spot repairs, manhole repairs and slip lining; and

- Storm water projects include small open cut repairs to storm sewers and/or structures at various locations; repairs to flow control structures at various locations; erosion repairs at SW Ordnance Road and SW State Street and NW Greenwood Street; cost share to repair/replace the culvert under SW Ankeny Road; and survey, analysis and design of streambank repairs and bioretention cells located along Saylor Creek.

Major utility projects planned for 2023 construction include the Four Mile Creek Trunk Sewer, NE Crestmoor Sanitary Sewer Replacement, High Trestle Trail Channel Stabilization, SE Creekview Drive Wetland, High Trestle Trail Transmission Main, South Ankeny Boulevard Transmission Main and Northwest Water Tower

MISCELLANEOUS REVENUES

The financial plan includes contributions from miscellaneous sources totaling \$36,494,839, or 18%, of the 2023-2027 Capital Improvement Program. This includes capital project fund cash balances, capital reserve fund cash balances, civic trust fund contributions, hotel/motel tax fund revenues, 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 2023 through 2027 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 expanding the quality of life.

Section 1

2023-2027 Capital Improvement Program

2023 CIP Projects by Funding Source

| Project | Project # | 2023 | General Obligation Bonds | | | | Revenue Bonds | | Miscellaneous | | | | | |
|---|------------|------------|--------------------------|-------------|-------------------------|------------|---------------|-------|---------------|------------|-----------------|--------------|-----------------|---------|
| | | | Debt Service Levy | Storm Water | Tax Increment Financing | Referendum | Water | Sewer | Grant | Cash | Hotel/Motel Tax | Road Use Tax | Capital Reserve | Other |
| Annual Park Development Program | PRK-00-002 | \$ 450,000 | \$ 365,000 | | | | | | \$ 85,000 | | | | | |
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 535,000 | 210,000 | | | | | | | | 325,000 | | | |
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 745,000 | | | | | | | | 745,000 | | | | |
| Annual Storm Water Replacement Program | STM-00-001 | 450,000 | | | | | | | | 450,000 | | | | |
| Annual PCC Street Patching Program | STR-00-001 | 1,490,000 | 1,490,000 | | | | | | | | | | | |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 475,000 | 475,000 | | | | | | | | | | | |
| Annual Pavement Preservation Program | STR-00-003 | 350,000 | 350,000 | | | | | | | | | | | |
| Annual Street Replacement Program | STR-00-004 | 1,450,000 | | | | | | | | | 1,450,000 | | | |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 1,315,000 | 875,000 | | | | | | | 40,000 | 400,000 | | | |
| Annual Water Main Replacement Program | WTM-00-001 | 765,000 | | | | | | | | 765,000 | | | | |
| Fire Station No. 4 | BLD-20-002 | 1,080,000 | 700,000 | | | | | | | 150,000 | | | 230,000 | |
| Lakeside Center Renovations | BLD-21-001 | 265,000 | | | | | | | | | | | 265,000 | |
| Public Works Satellite Salt Storage Facility | BLD-21-002 | 50,000 | | | | | | | | | | 50,000 | | |
| NE Frisk Drive Bridge over Deer Creek | BRG-22-001 | 90,000 | 90,000 | | | | | | | | | | | |
| NE 62nd Street RCB Culvert for Four Mile Creek Tributary | BRG-23-001 | 75,000 | 75,000 | | | | | | | | | | | |
| Des Moines Street Parks, including Pickleball Courts (12) | PRK-21-002 | 2,490,000 | | | | | | | | | | | 2,490,000 | |
| High Trestle Trail Experience Park | PRK-22-005 | 700,000 | | | | | | | | 400,000 | 300,000 | | | |
| Cherry Glen Ballfield | PRK-22-006 | 625,000 | | | | | | | | 500,000 | | | 125,000 | |
| Prairie Ridge Sports Complex Tennis Courts Overlay | PRK-23-001 | 720,000 | 260,000 | | | | | | | 100,000 | | | 360,000 | |
| Otter Creek Trunk Sewer - Phase 4 | SNS-12-001 | 252,000 | | | | | | | | | 252,000 | | | |
| Four Mile Creek Trunk Sewer | SNS-20-001 | 2,765,000 | | | | | | | | | 2,765,000 | | | |
| Trestle Ridge Trunk Sewer Cost Share | SNS-22-001 | 300,000 | | | | | | | | | 300,000 | | | |
| NE Crestmoor Sanitary Sewer Replacement | SNS-22-002 | 520,000 | | | | | | | | | 520,000 | | | |
| Four Mile Creek Channel Stabilization - NE 47th Street to NE 54th Street | STM-20-001 | 65,000 | | | | | | | | | 65,000 | | | |
| High Trestle Trail Channel Stabilization | STM-20-002 | 480,000 | | | | | | | | | 480,000 | | | |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | 250,000 | | 250,000 | | | | | | | | | | |
| Westwinds Storm Sewer Extension | STM-21-002 | 210,000 | | | | | | | | | 210,000 | | | |
| SE Creekview Drive Wetland | STM-22-001 | 1,500,000 | | | | | | | | | 1,350,000 | | | 150,000 |
| NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street | STR-14-006 | 5,675,000 | 2,170,000 | | | | | | | 1,750,000 | 1,500,000 | | | 255,000 |
| North Ankeny Boulevard and 18th Street Intersection Improvements | STR-18-001 | 440,000 | 240,000 | | | | | | | | 200,000 | | | |
| NW 36th Street Asphalt Overlay - NW Weigel Drive to NW Irwindale Drive | STR-19-004 | 115,000 | 115,000 | | | | | | | | | | | |
| SW Oralabor Road and SW Edgewood Lane Intersection Improvements | STR-19-006 | 200,000 | 50,000 | | | | | | | | 150,000 | | | |
| NW 18th Street Reconstruction - NW Ash Drive to North Ankeny Boulevard | STR-20-004 | 5,400,000 | 5,400,000 | | | | | | | | | | | |
| NW 36th Street Widening - NW Ash Drive to North Ankeny Boulevard | STR-20-005 | 125,000 | 125,000 | | | | | | | | | | | |
| SW Oralabor Road and SW State Street Intersection Improvements | STR-20-008 | 3,679,000 | | | | | | | | 1,927,913 | 1,751,087 | | | |
| SW State Street Reconstruction - SW Ordnance Road to West 1st Street (Southbound Lanes) | STR-21-001 | 1,825,000 | | | | | | | | | 1,825,000 | | | |
| NW Irwindale Drive and NW 18th Street Intersection Improvements | STR-21-004 | 100,000 | 100,000 | | | | | | | | | | | |
| Uptown Parking Improvements | STR-21-006 | 410,000 | | | 272,000 | | | | | | 138,000 | | | |
| NW Weigel Drive Asphalt Overlay - NW 18th Street to NW 36th Street | STR-22-002 | 130,000 | 130,000 | | | | | | | | | | | |
| North Ankeny Boulevard Improvements - 1st Street to 11th Street | STR-23-001 | 500,000 | 250,000 | | | | | | | | 250,000 | | | |
| NW State Street Extension Preliminary Design | STR-23-004 | 500,000 | 500,000 | | | | | | | | | | | |
| South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street | STR-23-005 | 200,000 | 200,000 | | | | | | | | | | | |
| SW Magazine Road and SW State Street Intersection Capacity Improvements | STR-23-006 | 60,000 | 60,000 | | | | | | | | | | | |
| Interstate 35 and SE Corporate Woods Drive Interchange Justification Report | TRF-21-001 | 100,000 | | | | | | | | | 50,000 | | | 50,000 |
| Fiber Optic Network Upgrade | TRF-23-001 | 200,000 | 200,000 | | | | | | | | | | | |
| SE Corporate Woods Drive and SE Crosswinds Drive Traffic Signal | TRF-23-002 | 40,000 | 40,000 | | | | | | | | | | | |
| High Trestle Trail Transmission Main | WTM-17-001 | 4,254,000 | | | | | | | | | 4,254,000 | | | |
| South Ankeny Boulevard Transmission Main | WTM-18-001 | 2,950,000 | | | | | | | | | | | | |
| NE 36th Street and NE 38th Street Water Main Loop | WTM-21-009 | 253,000 | | | | | | | | | 253,000 | | | |
| Northwest Water Tower | WTT-19-002 | 10,945,000 | | | | | | | | 10,945,000 | | | | |
| SE Delaware Ground Storage Tank Repaint | WTT-20-001 | 367,000 | | | | | | | | | 367,000 | | | |
| SE Magazine Ground Storage Tank Repaint | WTT-20-002 | 50,000 | | | | | | | | | 50,000 | | | |

2023 Bond Issue Project Costs \$14,992,000
 Cost of Issuance 208,000
 Projected 2023 Bond Issue Total \$15,200,000

2023-2027 Capital Improvement Program

2024 CIP Projects by Funding Source

| Project | Project # | 2024 | General Obligation Bonds | | | | Revenue Bonds | | Miscellaneous | | | | | |
|---|------------|---------------|--------------------------|--------------|-------------------------|------------|---------------|-----------|---------------|--------------|-----------------|--------------|-----------------|-----------|
| | | | Debt Service Levy | Storm Water | Tax Increment Financing | Referendum | Water | Sewer | Grant | Cash | Hotel/Motel Tax | Road Use Tax | Capital Reserve | Other |
| Annual Park Development Program | PRK-00-002 | \$ 445,000 | \$ 365,000 | | | | | | \$ 80,000 | | | | | |
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 535,000 | 210,000 | | | | | | | | 325,000 | | | |
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 1,130,000 | | | | | | | 1,130,000 | | | | | |
| Annual Storm Water Replacement Program | STM-00-001 | 450,000 | | | | | | | 450,000 | | | | | |
| Annual PCC Street Patching Program | STR-00-001 | 1,425,000 | 1,425,000 | | | | | | | | | | | |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 475,000 | 475,000 | | | | | | | | | | | |
| Annual Pavement Preservation Program | STR-00-003 | 375,000 | 375,000 | | | | | | | | | | | |
| Annual Street Replacement Program | STR-00-004 | 1,725,000 | 1,725,000 | | | | | | | | 250,000 | | | |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 990,000 | 740,000 | | | | | | | | | | | |
| Annual Water Main Replacement Program | WTM-00-001 | 625,000 | | | | | | | 625,000 | | | | | |
| Fire Station No. 4 | BLD-20-002 | 6,270,000 | | | | | | | | | | 6,270,000 | | |
| Public Works Satellite Salt Storage Facility | BLD-21-002 | 475,000 | | | | | | | | | 475,000 | | | |
| SE Frisk Drive RCB Culvert for Four Mile Creek | BRG-20-001 | 375,000 | 375,000 | | | | | | | | | | | |
| NE 62nd Street RCB Culvert for Four Mile Creek Tributary | BRG-23-001 | 590,000 | 590,000 | | | | | | | | | | | |
| Otter Creek Trunk Sewer - Phase 4 | SNS-12-001 | 1,673,000 | | | | | | | 1,673,000 | | | | | |
| SE 3rd Street Trunk Sewer Extension | SNS-20-002 | 1,130,000 | | | | | | | 1,130,000 | | | | | |
| Trestle Ridge Trunk Sewer Cost Share | SNS-22-001 | 400,000 | | | | | | | 400,000 | | | | | |
| Clover Ridge Trunk Sewer Extension | SNS-22-003 | 101,000 | | | | | | | 101,000 | | | | | |
| Sawgrass Park Dam Improvements | STM-19-004 | 90,000 | | 90,000 | | | | | | | | | | |
| Four Mile Creek Channel Stabilization - NE 47th Street to NE 54th Street | STM-20-001 | 555,000 | | 275,000 | | | | | 280,000 | | | | | |
| High Trestle Trail Channel Stabilization | STM-20-002 | 310,000 | | 310,000 | | | | | | | | | | |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | 1,275,000 | | 235,000 | | | | | 640,000 | 400,000 | | | | |
| SE 3rd Street Area Trunk Storm Sewer Improvements | STM-20-006 | 1,275,000 | | 1,275,000 | | | | | | | | | | |
| SE 3rd Street Area Collection Storm Sewer Improvements | STM-21-001 | 180,000 | | 180,000 | | | | | | | | | | |
| NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street | STR-14-006 | 6,075,000 | 4,325,000 | | | | | | 1,750,000 | | | | | |
| SW Oralabor Road and SW Irvineland Drive Intersection Improvements | STR-16-003 | 250,000 | | | | | | | | 250,000 | | | | |
| NW 36th Street Reconstruction - NW Irvineland Drive to NW Abilene Road | STR-18-003 | 250,000 | 250,000 | | | | | | | | | | | |
| NW 36th Street Asphalt Overlay - NW Weigel Drive to NW Irvineland Drive | STR-19-004 | 1,030,000 | 1,030,000 | | | | | | | | | | | |
| SW Oralabor Road and SW State Street Intersection Improvements | STR-20-008 | 1,576,000 | | | | | | | 826,248 | 749,752 | | | | |
| NW Irvineland Drive and NW 18th Street Intersection Improvements | STR-21-004 | 350,000 | 350,000 | | | | | | | | | | | |
| South Ankeny Boulevard and SE Oralabor Road Safety Improvements | STR-21-005 | 100,000 | 100,000 | | | | | | | | | | | |
| Uptown Parking Improvements | STR-21-006 | 540,000 | | | 540,000 | | | | | | | | | |
| NW Weigel Drive Asphalt Overlay - NW 18th Street to NW 36th Street | STR-22-002 | 1,190,000 | 1,190,000 | | | | | | | | | | | |
| West 1st Street Widening and Improvements - Phase 2 | STR-22-003 | 500,000 | | | 500,000 | | | | | | | | | |
| North Ankeny Boulevard Improvements - 1st Street to 11th Street | STR-23-001 | 205,000 | 185,000 | | | | | | 20,000 | | | | | |
| NW State Street Corridor Improvements Study - West 1st Street to NW 18th Street | STR-23-003 | 100,000 | | | | | | | | | 100,000 | | | |
| South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street | STR-23-005 | 400,000 | 400,000 | | | | | | | | | | | |
| SW Magazine Road and SW State Street Intersection Capacity Improvements | STR-23-006 | 550,000 | 550,000 | | | | | | | | | | | |
| Fiber Optic Network Upgrade | TRF-23-001 | 625,000 | 625,000 | | | | | | | | | | | |
| SE Corporate Woods Drive and SE Crosswinds Drive Traffic Signal | TRF-23-002 | 385,000 | 305,000 | | | | | | | | | 80,000 | | |
| Saylorville Feeder Main Purchase Capacity | WTM-17-008 | 604,000 | | | | | | 604,000 | | | | | | |
| SW Walnut Street and SW Ordnance Road Water Main | WTM-20-002 | 211,000 | | | | | | 211,000 | | | | | | |
| NE 36th Street and NE 38th Street Water Main Loop | WTM-21-009 | 2,722,000 | | | | | | 2,722,000 | | | | | | |
| SE Magazine Ground Storage Tank Repaint | WTT-20-002 | 654,000 | | | | | | 654,000 | | | | | | |
| | | \$ 41,191,000 | \$ 15,590,000 | \$ 2,365,000 | \$ 1,040,000 | \$ - | \$ 4,191,000 | \$ - | \$ 3,516,248 | \$ 6,988,752 | \$ - | \$ 1,150,000 | \$ 6,270,000 | \$ 80,000 |

2024 Bond Issue Project Costs \$ 18,995,000
 Cost of Issuance 245,000
 Projected 2024 Bond Issue Total \$ 19,240,000

2023-2027 Capital Improvement Program

2025 CIP Projects by Funding Source

| Project | Project # | 2025 | General Obligation Bonds | | | | Revenue Bonds | | Miscellaneous | | | | | |
|--|------------|---------------|--------------------------|--------------|-------------------------|------------|---------------|---------|---------------|--------------|-----------------|--------------|-----------------|------------|
| | | | Debt Service Levy | Storm Water | Tax Increment Financing | Referendum | Water | Sewer | Grant | Cash | Hotel/Motel Tax | Road Use Tax | Capital Reserve | Other |
| Annual Park Development Program | PRK-00-002 | \$ 445,000 | \$ 365,000 | | | | | | \$ 80,000 | | | | | |
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 535,000 | 210,000 | | | | | | | | 325,000 | | | |
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 710,000 | | | | | | | 710,000 | | | | | |
| Annual Storm Water Replacement Program | STM-00-001 | 450,000 | | | | | | | 450,000 | | | | | |
| Annual PCC Street Patching Program | STR-00-001 | 1,555,000 | 1,555,000 | | | | | | | | | | | |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 350,000 | 350,000 | | | | | | | | | | | |
| Annual Pavement Preservation Program | STR-00-003 | 400,000 | 400,000 | | | | | | | | | | | |
| Annual Street Replacement Program | STR-00-004 | 1,750,000 | 1,750,000 | | | | | | | | | | | |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 990,000 | 740,000 | | | | | | | | 250,000 | | | |
| Annual Water Main Replacement Program | WTM-00-001 | 705,000 | | | | | | | 705,000 | | | | | |
| Fire Station No. 4 | BLD-20-002 | 625,000 | | | | | | | | | | 625,000 | | |
| NW Reinhart Drive RCB Culvert for Rock Creek | BRG-22-003 | 115,000 | 115,000 | | | | | | | | | | | |
| Hawkeye Park Sports Complex Tennis Courts Reconstruction | PRK-18-003 | 850,000 | 850,000 | | | | | | | | | | | |
| Des Moines Street Parks | PRK-21-002 | 322,000 | | | | | | | | | | | 322,000 | |
| High Trestle Trail Experience Park | PRK-22-005 | 500,000 | | | | | | 100,000 | | 400,000 | | | | |
| Clover Ridge Trunk Sewer Extension | SNS-22-003 | 824,000 | | | | | | | 824,000 | | | | | |
| Polk County Lift Station Decommissioning | SNS-22-004 | 105,000 | | | | | | | 105,000 | | | | | |
| Sawgrass Park Dam Improvements | STM-19-004 | 445,000 | | 445,000 | | | | | | | | | | |
| Four Mile Creek Channel Stabilization - NE 47th Street to NE 54th Street | STM-20-001 | 440,000 | | 210,000 | | | | | 230,000 | | | | | |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | 1,220,000 | | 180,000 | | | | | 640,000 | 400,000 | | | | |
| Westlawn Area Storm Sewer Improvements | STM-20-005 | 150,000 | | 150,000 | | | | | | | | | | |
| SE 3rd Street Area Collection Storm Sewer Improvements | STM-21-001 | 1,380,000 | | 1,380,000 | | | | | | | | | | |
| Diamond Hills Greenway Stream Stabilization | STM-22-002 | 75,000 | | 75,000 | | | | | | | | | | |
| 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 | 500,000 | | | | | | | 500,000 | | | | | |
| NW 36th Street Reconstruction - NW Irvindale Drive to NW Abilene Road | STR-18-003 | 800,000 | 800,000 | | | | | | | | | | | |
| NW Irvindale Drive and NW 18th Street Intersection Improvements | STR-21-004 | 3,750,000 | 3,750,000 | | | | | | | | | | | |
| 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 | 2,350,000 | | | 2,350,000 | | | | | | | | | |
| 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 | 4,320,000 | 1,870,000 | | | | | | 2,450,000 | | | | | |
| South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street | STR-23-005 | 375,000 | 150,000 | | | | | | 225,000 | | | | | |
| Fiber Optic Network Upgrade | TRF-23-001 | 500,000 | 500,000 | | | | | | | | | | | |
| South Ankeny Boulevard Water Main Improvements - SE 3rd Street to SW Ordnance Road | WTM-19-001 | 222,000 | | | | | 222,000 | | | | | | | |
| SW Walnut Street and SW Ordnance Road Water Main | WTM-20-002 | 1,564,000 | | | | | 1,564,000 | | | | | | | |
| | | \$ 29,822,000 | \$ 13,905,000 | \$ 2,440,000 | \$ 2,350,000 | \$ - | \$ 1,786,000 | \$ - | \$ 3,645,000 | \$ 3,774,000 | \$ 400,000 | \$ 575,000 | \$ 625,000 | \$ 322,000 |

2025 Bond Issue Project Costs \$ 18,695,000
 Cost of Issuance 250,000
Projected 2025 Bond Issue Total \$ 18,945,000

2023-2027 Capital Improvement Program

2026 CIP Projects by Funding Source

| Project | Project # | 2026 | General Obligation Bonds | | | | Revenue Bonds | | Miscellaneous | | | | | |
|--|------------|---------------|--------------------------|--------------|-------------------------|------------|---------------|-----------|---------------|--------------|-----------------|--------------|-----------------|------------|
| | | | Debt Service Levy | Storm Water | Tax Increment Financing | Referendum | Water | Sewer | Grant | Cash | Hotel/Motel Tax | Road Use Tax | Capital Reserve | Other |
| Annual Park Development Program | PRK-00-002 | \$ 445,000 | \$ 365,000 | | | | | | | \$ 80,000 | | | | |
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 535,000 | 210,000 | | | | | | | | | 325,000 | | |
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 1,265,000 | | | | | | | | 1,265,000 | | | | |
| Annual Storm Water Replacement Program | STM-00-001 | 450,000 | | | | | | | | 450,000 | | | | |
| Annual PCC Street Patching Program | STR-00-001 | 1,660,000 | 1,660,000 | | | | | | | | | | | |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 375,000 | 375,000 | | | | | | | | | | | |
| Annual Pavement Preservation Program | STR-00-003 | 425,000 | 425,000 | | | | | | | | | | | |
| Annual Street Replacement Program | STR-00-004 | 1,750,000 | 1,750,000 | | | | | | | | | | | |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 1,025,000 | 775,000 | | | | | | | | | 250,000 | | |
| Annual Water Main Replacement Program | WTM-00-001 | 760,000 | | | | | | | | 760,000 | | | | |
| NE 18th Street Bridge over Interstate 35 | BRG-22-002 | 750,000 | 750,000 | | | | | | | | | | | |
| NW Reinhart Drive RCB Culvert for Rock Creek | BRG-22-003 | 1,025,000 | 1,025,000 | | | | | | | | | | | |
| NE Spectrum Drive RCB Culvert for Otter Creek | BRG-22-004 | 130,000 | | | 130,000 | | | | | | | | | |
| Polk County Lift Station Decommissioning | SNS-22-004 | 1,146,000 | | | | | | | | 1,146,000 | | | | |
| SW Irwindale Drive Sanitary Sewer Replacement | SNS-23-002 | 11,000 | | | | | | | | 11,000 | | | | |
| Westlawn Area Storm Sewer Improvements | STM-20-005 | 250,000 | | 250,000 | | | | | | | | | | |
| 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 | 75,000 | | 75,000 | | | | | | | | | | |
| 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 | | | | |
| Four Mile Creek Channel Stabilization - Heritage Park | STM-23-001 | 95,000 | | 45,000 | | | | | | 50,000 | | | | |
| SW Oralabor Road and SW Irwindale Drive Intersection Improvements | STR-16-003 | 4,350,000 | | | 350,000 | | | | | 1,000,000 | 3,000,000 | | | |
| NW 36th Street Reconstruction - NW Irwindale Drive to NW Abilene Road | STR-18-003 | 7,750,000 | 7,000,000 | | | | | | | | | | | 750,000 |
| West 1st Street Widening and Improvements - Phase 2 | STR-22-003 | 4,600,000 | | | 3,448,500 | | | | | 1,151,500 | | | | |
| NW 18th Street Reconstruction - NW State Street to NW Ash Drive | STR-22-004 | 425,000 | 425,000 | | | | | | | | | | | |
| North Ankeny Boulevard Improvements - 1st Street to 11th Street | STR-23-001 | 330,000 | 330,000 | | | | | | | | | | | |
| South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street | STR-23-005 | 5,650,000 | 150,000 | | | | | | | 5,500,000 | | | | |
| Fiber Optic Network Upgrade | TRF-23-001 | 500,000 | 500,000 | | | | | | | | | | | |
| South Ankeny Boulevard Water Main Improvements - SE 3rd Street to SW Ordnance Road | WTM-19-001 | 2,028,000 | | | | | | 2,028,000 | | | | | | |
| NW State Street Water Main Improvements | WTM-19-003 | 125,000 | | | | | | | | 125,000 | | | | |
| SW Irwindale Elevated Storage Tank Repaint | WTT-23-001 | 90,000 | | | | | | | | 90,000 | | | | |
| | | \$ 39,780,000 | \$ 15,740,000 | \$ 1,560,000 | \$ 3,928,500 | \$ - | \$ 2,028,000 | \$ - | \$ 7,871,500 | \$ 7,327,000 | \$ - | \$ 575,000 | \$ - | \$ 750,000 |

2026 Bond Issue Project Costs \$21,228,500
 Cost of Issuance 271,500
Projected 2026 Bond Issue Total \$21,500,000

2023-2027 Capital Improvement Program

2027 CIP Projects by Funding Source

| Project | Project # | 2027 | General Obligation Bonds | | | | Revenue Bonds | | Miscellaneous | | | | | |
|--|------------|---------------|--------------------------|--------------|-------------------------|------------|---------------|-------|---------------|--------------|-----------------|--------------|-----------------|-------|
| | | | Debt Service Levy | Storm Water | Tax Increment Financing | Referendum | Water | Sewer | Grant | Cash | Hotel/Motel Tax | Road Use Tax | Capital Reserve | Other |
| Annual Park Development Program | PRK-00-002 | \$ 445,000 | \$ 365,000 | | | | | | | \$ 80,000 | | | | |
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 535,000 | 210,000 | | | | | | | | | 325,000 | | |
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 765,000 | | | | | | | | 765,000 | | | | |
| Annual Storm Water Replacement Program | STM-00-001 | 450,000 | | | | | | | | 450,000 | | | | |
| Annual PCC Street Patching Program | STR-00-001 | 1,710,000 | 1,710,000 | | | | | | | | | | | |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 350,000 | 350,000 | | | | | | | | | | | |
| Annual Pavement Preservation Program | STR-00-003 | 450,000 | 450,000 | | | | | | | | | | | |
| Annual Street Replacement Program | STR-00-004 | 1,750,000 | 1,750,000 | | | | | | | | | | | |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 1,290,000 | 1,040,000 | | | | | | | | | 250,000 | | |
| Annual Water Main Replacement Program | WTM-00-001 | 760,000 | | | | | | | | 760,000 | | | | |
| NE 18th Street Bridge over Interstate 35 | BRG-22-002 | 2,450,000 | 2,450,000 | | | | | | | | | | | |
| NE Spectrum Drive RCB Culvert for Otter Creek | BRG-22-004 | 1,175,000 | | | 1,175,000 | | | | | | | | | |
| High Trestle Trail Experience Park | PRK-22-005 | 500,000 | | | | | | | | 100,000 | | 400,000 | | |
| SW Irvindale Drive Sanitary Sewer Replacement | SNS-23-002 | 114,000 | | | | | | | | | 114,000 | | | |
| Deer Creek Trunk Sewer Extension | SNS-23-003 | 193,000 | | | | | | | | | 193,000 | | | |
| Westlawn Area Storm Sewer Improvements | STM-20-005 | 1,640,000 | | 1,240,000 | | | | | | | 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 | 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 | 190,000 | | 190,000 | | | | | | | | | | |
| Four Mile Creek Channel Stabilization - Heritage Park | STM-23-001 | 90,000 | | 40,000 | | | | | | | 50,000 | | | |
| NW 36th Street Reconstruction - NW Irvindale Drive to NW Abilene Road | STR-18-003 | 125,000 | 125,000 | | | | | | | | | | | |
| NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415 | STR-18-004 | 50,000 | 50,000 | | | | | | | | | | | |
| South Ankeny Boulevard and SE Oralabor Road Safety Improvements | STR-21-005 | 150,000 | 150,000 | | | | | | | | | | | |
| West 1st Street Widening and Improvements - Phase 2 | STR-22-003 | 4,650,000 | | | 4,650,000 | | | | | | | | | |
| NW 18th Street Reconstruction - NW State Street to NW Ash Drive | STR-22-004 | 4,775,000 | 4,775,000 | | | | | | | | | | | |
| NE Delaware Avenue Reconstruction - Four Mile Creek to NE 36th Street | STR-23-002 | 250,000 | 250,000 | | | | | | | | | | | |
| Fiber Optic Network Upgrade | TRF-23-001 | 910,000 | 910,000 | | | | | | | | | | | |
| NW State Street Water Main Improvements | WTM-19-003 | 1,275,000 | | | | | | | 1,275,000 | | | | | |
| SW Irvindale Elevated Storage Tank Repaint | WTT-23-001 | 1,187,000 | | | | | | | 1,187,000 | | | | | |
| | | \$ 30,249,000 | \$ 14,585,000 | \$ 3,325,000 | \$ 5,825,000 | \$ - | \$ 2,462,000 | \$ - | \$ 315,000 | \$ 2,762,000 | \$ 400,000 | \$ 575,000 | \$ - | \$ - |

2027 Bond Issue Project Costs \$23,735,000
 Cost of Issuance 300,000
Projected 2027 Bond Issue Total \$24,035,000

| <u>Annual Park Development Program</u> | <u>Projected</u> <u>2022</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> |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Beginning Cash Balance | \$ 114,295 | \$ 31,815 | \$ 26,815 | \$ 26,815 | \$ 26,815 | \$ 26,815 |
| Transfers In | | | | | | |
| General Obligation Bonds | \$ 305,000 | \$ 365,000 | \$ 365,000 | \$ 365,000 | \$ 365,000 | \$ 365,000 |
| Park Dedication Fund | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 80,000 | \$ 80,000 |
| Memorial and Tribute Program | \$ 7,553 | | | | | |
| Total Transfers In | \$ 392,553 | \$ 445,000 |
| Project Expenditures | | | | | | |
| Memorial and Tribute Program | \$ 9,810 | | | | | |
| Hawkeye Park Pond Improvements (Outlet Structure, Dredging, Trail Realignment, Shore Stabilization and Fishing Pier) | \$ 22,128 | | | | | |
| Bellagio Park Development (Playground, Trail Connection and Shelter) | \$ 427,495 | | | | | |
| Aspen Ridge Park Development (Trail Connection and Turf Improvements) | | \$ 220,000 | | | | |
| Creekside Mini-Park | | \$ 230,000 | | | | |
| Watercrest Park Expansion (Splash Pad, Shelter and Trail Loop) | \$ 15,600 | | \$ 445,000 | | | |
| Kimberley Crossing Park Development (Playground, Trail Connection and Shelter) | | | | \$ 445,000 | | |
| Other Projects TBD (based on park dedication, development funding and pace of development) | | | | | \$ 445,000 | \$ 445,000 |
| Total Project Expenditures | \$ 475,033 | \$ 450,000 | \$ 445,000 | \$ 445,000 | \$ 445,000 | \$ 445,000 |
| Remaining Cash Balance | \$ 31,815 | \$ 26,815 |

| <u>Annual Sanitary Sewer Replacement Program</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> |
|--|---------------------|---------------------|---------------------|-------------------|---------------------|-------------------|------------------|
| | <u>2022</u> | <u>2023</u> | <u>2024</u> | <u>2025</u> | <u>2026</u> | <u>2026</u> | <u>2027</u> |
| Beginning Cash Balance | \$ 1,761,779 | \$ 1,424,042 | \$ 1,379,042 | \$ 949,042 | \$ 989,042 | \$ 474,042 | |
| <u>Transfers In</u> | | | | | | | |
| Sewer Fund | \$ 600,000 | \$ 700,000 | \$ 700,000 | \$ 750,000 | \$ 750,000 | \$ 800,000 | |
| Total Transfers In | \$ 600,000 | \$ 700,000 | \$ 700,000 | \$ 750,000 | \$ 750,000 | \$ 800,000 | |
| <u>Project Expenditures</u> | | | | | | | |
| Sanitary Sewer Oversizing | | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 | \$ 30,000 |
| Sanitary Sewer Spot Repairs, Manhole Repairs and Slip Lining | \$ 710,063 | \$ 75,000 | \$ 575,000 | \$ 75,000 | \$ 575,000 | \$ 75,000 | |
| NW Northlawn Area Utility Improvements | \$ 227,674 | \$ 640,000 | \$ 495,000 | \$ 545,000 | | | |
| Original Ankeny Area Utility Improvements | | | \$ 30,000 | \$ 60,000 | \$ 660,000 | \$ 660,000 | |
| Total Project Expenditures | \$ 937,737 | \$ 745,000 | \$ 1,130,000 | \$ 710,000 | \$ 1,265,000 | \$ 765,000 | |
| Remaining Cash Balance | \$ 1,424,042 | \$ 1,379,042 | \$ 949,042 | \$ 989,042 | \$ 474,042 | \$ 509,042 | |

| <u>Annual Storm Water Replacement Program</u> | <u>Projected</u> <u>2022</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> |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Beginning Cash Balance | \$ 525,515 | \$ 383,900 | \$ 283,900 | \$ 233,900 | \$ 183,900 | \$ 183,900 |
| Transfers In | | | | | | |
| Storm Water Fund | \$ 300,000 | \$ 350,000 | \$ 400,000 | \$ 400,000 | \$ 450,000 | \$ 450,000 |
| Federal Emergency Management Agency (FEMA) | \$ 26,265 | | | | | |
| Special Assessments | \$ 136 | | | | | |
| Total Transfers In | \$ 326,401 | \$ 350,000 | \$ 400,000 | \$ 400,000 | \$ 450,000 | \$ 450,000 |
| Project Expenditures | | | | | | |
| Saylor Creek Repairs and Stabilization | \$ 10,013 | | | | | |
| Magazine Road Bioswale Repairs | \$ 20,900 | | | | | |
| Saylor Creek Repairs and Restoration | \$ 24,993 | | | | | |
| Cherry Glen Trail Culvert Improvements | \$ 14,500 | | | | | |
| Diamond Hills Greenway Stream Repairs | \$ 362,109 | | | | | |
| West 1st Street Basin Structure Repairs | \$ 15,000 | | | | | |
| 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 | | \$ 160,000 | | | | |
| Repairs to flow control structures/orifice plates in Renaissance Park, NE Briarwood Drive and the Public Services Building | | \$ 50,000 | | | | |
| Erosion repairs at SW Ordnance Road and SW State Street and NW Greenwood Street | | \$ 40,000 | | | | |
| Cost share to repair/replace culvert under SW Ankeny Road | | \$ 25,000 | | | | |
| Survey, analysis and design of streambank repairs and bioretention cells located along Saylor Creek between old Magazine Road and Vintage Greenway | | \$ 130,000 | | | | |
| Storm Water Conservation Design Features within City Property | \$ 5,000 | \$ 15,000 | | | | |
| Storm Water Projects (TBD) | \$ 15,500 | \$ 30,000 | \$ 450,000 | \$ 450,000 | \$ 450,000 | \$ 450,000 |
| Total Project Expenditures | \$ 468,016 | \$ 450,000 |
| Remaining Cash Balance | \$ 383,900 | \$ 283,900 | \$ 233,900 | \$ 183,900 | \$ 183,900 | \$ 183,900 |

| <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>Projected</u> |
|--|---------------------|---------------------|-------------------|-------------------|---------------------|---------------------|-------------------|
| | <u>2022</u> | <u>2023</u> | <u>2024</u> | <u>2025</u> | <u>2026</u> | <u>2027</u> | |
| Beginning Cash Balance | \$ 716,890 | \$ 288,056 | \$ 248,056 | \$ 248,056 | \$ 248,056 | \$ 248,056 | \$ 248,056 |
| Transfers In | | | | | | | |
| General Obligation Bonds | \$ 950,000 | \$ 875,000 | \$ 740,000 | \$ 740,000 | \$ 775,000 | \$ 1,040,000 | |
| Road Use Tax Fund | \$ 130,000 | \$ 400,000 | \$ 250,000 | \$ 250,000 | \$ 250,000 | \$ 250,000 | |
| Ankeny Community School District | \$ 8,712 | | | | | | |
| Total Transfers In | \$ 1,088,712 | \$ 1,275,000 | \$ 990,000 | \$ 990,000 | \$ 1,025,000 | \$ 1,290,000 | |
| Project Expenditures | | | | | | | |
| SE Delaware Avenue and SE 8th Street Traffic Signal, Left Turn Lanes and Fiber Optic Connection | \$ 38,686 | | | | | | |
| North Ankeny Boulevard and NE 54th Street Traffic Signal and Left Turn Lanes | \$ 158,690 | | | | | | |
| SE Corporate Woods Drive and SE Convenience Boulevard Traffic Signal and Lane Modifications Cost Share | \$ 200,000 | | | | | | |
| NE 36th Street and NE Otterview Circle Traffic Signal Cost Share | \$ 150,000 | | | | | | |
| 2022 Fiber Optic Cable and Switches | \$ 54,817 | | | | | | |
| North Ankeny Boulevard Fiber Optic Upgrade - 1st Street to 18th Street | \$ 186,681 | | | | | | |
| SE Quadrant Fiber Optic Upgrade, Phase 1 - Public Works Maintenance Facility to Gay Lea Wilson Trail | \$ 96,389 | | | | | | |
| SW Oralabor Road and SW Irvinedale Drive Interim Signal Modifications | \$ 45,674 | | | | | | |
| High Trestle Trail Crossing Rectangular Rapid Flashing Beacon - NW Irvinedale Drive and NW 18th Street | \$ 26,228 | | | | | | |
| South Ankeny Boulevard and SE 8th Street Traffic Detection Replacement | \$ 17,310 | | | | | | |
| SE Oralabor Road and SW Snyder Boulevard Traffic Signal Cost Share | \$ 130,264 | | | | | | |

| <u>Annual Water Main Replacement Program</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> | <u>Projected</u> |
|--|---------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | <u>2022</u> | <u>2023</u> | <u>2024</u> | <u>2025</u> | <u>2026</u> | <u>2027</u> | |
| Beginning Cash Balance | \$ 1,011,828 | \$ 1,163,568 | \$ 998,568 | \$ 973,568 | \$ 868,568 | \$ 708,568 | |
| Transfers In | | | | | | | |
| Water Fund | \$ 500,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 |
| Total Transfers In | \$ 500,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 | \$ 600,000 |
| Project Expenditures | | | | | | | |
| Water Main Oversizing | \$ 120,586 | \$ 125,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 |
| NW Northlawn Area Utility Improvements | \$ 227,674 | \$ 640,000 | \$ 495,000 | \$ 545,000 | | | |
| Original Ankeny Area Utility Improvements | | | \$ 30,000 | \$ 60,000 | \$ 660,000 | \$ 660,000 | |
| Total Project Expenditures | \$ 348,260 | \$ 765,000 | \$ 625,000 | \$ 705,000 | \$ 760,000 | \$ 760,000 | |
| Remaining Cash Balance | \$ 1,163,568 | \$ 998,568 | \$ 973,568 | \$ 868,568 | \$ 708,568 | \$ 548,568 | |

| 2023-2027 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects | | | | | | | | | | |
|---|-------------|------------|------------|------------|------------|------------|------------------------|--------------|--|--|
| Proposed Projects | Project No. | 2023 | 2024 | 2025 | 2026 | 2027 | High Priority Projects | Project Cost | | |
| ANNUAL PROGRAMS | | | | | | | | | | |
| Annual Park Development Program | PRK-00-002 | \$ 450,000 | \$ 445,000 | \$ 445,000 | \$ 445,000 | \$ 445,000 | \$ 2,225,000 | \$ 4,455,000 | | |
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 535,000 | 535,000 | 535,000 | 535,000 | 535,000 | 2,675,000 | 5,350,000 | | |
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 745,000 | 1,130,000 | 710,000 | 1,265,000 | 765,000 | 3,825,000 | 8,440,000 | | |
| Annual Storm Water Replacement Program | STM-00-001 | 450,000 | 450,000 | 450,000 | 450,000 | 450,000 | 2,250,000 | 4,500,000 | | |
| Annual PCC Street Patching Program | STR-00-001 | 1,490,000 | 1,425,000 | 1,555,000 | 1,660,000 | 1,710,000 | 8,550,000 | 16,390,000 | | |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 475,000 | 475,000 | 350,000 | 375,000 | 350,000 | 1,750,000 | 3,775,000 | | |
| Annual Pavement Preservation Program | STR-00-003 | 350,000 | 375,000 | 400,000 | 425,000 | 450,000 | 2,250,000 | 4,250,000 | | |
| Annual Street Replacement Program | STR-00-004 | 1,450,000 | 1,725,000 | 1,750,000 | 1,750,000 | 1,750,000 | 8,750,000 | 17,175,000 | | |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 1,315,000 | 990,000 | 990,000 | 1,025,000 | 1,290,000 | 6,450,000 | 12,060,000 | | |
| Annual Water Main Replacement Program | WTM-00-001 | 765,000 | 625,000 | 705,000 | 760,000 | 760,000 | 3,800,000 | 7,415,000 | | |
| BUILDINGS | | | | | | | | | | |
| Fire Station No. 4 | BLD-20-002 | 1,080,000 | 6,270,000 | 625,000 | - | - | - | - | | |
| Lakeside Center Renovations | BLD-21-001 | 265,000 | - | - | - | - | - | - | | |
| Public Works Satellite Salt Storage Facility | BLD-21-002 | 50,000 | 475,000 | - | - | - | - | - | | |
| Public Safety Training Facility | Buildings | - | - | - | - | - | - | 1,148,000 | | |
| Community Entrance Signs | Buildings | - | - | - | - | - | - | 305,000 | | |
| Sewer Treatment Plant Demolition and Repurposing | Buildings | - | - | - | - | - | - | 1,815,000 | | |
| BRIDGES | | | | | | | | | | |
| SE Frisk Drive RCB Culvert for Four Mile Creek | BRG-20-001 | - | 375,000 | - | - | - | - | - | | |
| NE Frisk Drive Bridge over Deer Creek | BRG-22-001 | 90,000 | - | - | - | - | - | - | | |
| NE 18th Street Bridge over Interstate 35 | BRG-22-002 | - | - | - | 750,000 | 2,450,000 | 13,025,000 | 16,225,000 | | |
| NW Reinhart Drive RCB Culvert for Rock Creek | BRG-22-003 | - | - | 115,000 | 1,025,000 | - | - | - | | |
| NE Spectrum Drive RCB Culvert for Otter Creek | BRG-22-004 | - | - | - | 130,000 | 1,175,000 | - | - | | |
| NE 62nd Street RCB Culvert for Four Mile Creek Tributary | BRG-23-001 | 75,000 | 590,000 | - | - | - | - | - | | |
| Corporate Woods Drive Railroad Overpass | Bridges | - | - | - | - | - | - | 23,500,000 | | |
| Interstate 35 and NE 54th Street Overpass Justification Report | Bridges | - | - | - | - | - | - | 150,000 | | |
| Interstate 35 and SE Oralabor Road Interchange Upgrade Justification Report | Bridges | - | - | - | - | - | - | 200,000 | | |
| OPERATING/CONSTRUCTION EQUIPMENT | | | | | | | | | | |
| Tractor Drawn Aerial Ladder Truck | OEC-23-001 | - | - | - | - | - | - | 2,200,000 | | |

| 2023-2027 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects | | | | | | | | | |
|--|-------------|-----------|-----------|---------|-----------|---------|------------------------|--------------|--|
| Proposed Projects | Project No. | 2023 | 2024 | 2025 | 2026 | 2027 | High Priority Projects | Project Cost | |
| PARKS | | | | | | | | | |
| Hawkeye Park Sports Complex Tennis Courts Reconstruction | PRK-18-003 | - | - | 850,000 | - | - | - | 850,000 | |
| Des Moines Street Parks, including Pickleball Courts (12) | PRK-21-002 | 2,490,000 | - | 322,000 | - | - | - | 2,812,000 | |
| High Trestle Trail Experience Park | PRK-22-005 | 700,000 | - | 500,000 | - | 500,000 | 300,000 | 2,000,000 | |
| Cherry Glen Ballfield | PRK-22-006 | 625,000 | - | - | - | - | - | 625,000 | |
| Prairie Ridge Sports Complex Tennis Courts Overlay | PRK-23-001 | 720,000 | - | - | - | - | - | 720,000 | |
| Pickleball Courts | PRK-20-004 | - | - | - | - | - | 475,000 | 475,000 | |
| Outdoor Fitness Court | PRK-22-004 | - | - | - | - | - | 185,000 | 185,000 | |
| Heritage Park Expansion and Upgrades | Parks | - | - | - | - | - | 700,000 | 700,000 | |
| Chautauqua and Promenade Park Development | Parks | - | - | - | - | - | 6,600,000 | 6,600,000 | |
| Watercrest Community Park Expansion | Parks | - | - | - | - | - | 2,200,000 | 2,200,000 | |
| SIDEWALKS/TRAILS | | | | | | | | | |
| Clover Ridge Trail | SDW-21-002 | - | - | - | - | - | 135,000 | 135,000 | |
| SW Ankeny Road Sidewalk Improvements | SDW-22-001 | - | - | - | - | - | 830,000 | 830,000 | |
| Safe Routes to School Study Update and Improvements | Trails | - | - | - | - | - | 600,000 | 600,000 | |
| Hidden Creek Trail Extension - NW 5th Street to NW 13th Street | Trails | - | - | - | - | - | 990,000 | 990,000 | |
| Four Mile Creek Trail - NE 47th Street to NE 54th Street | Trails | - | - | - | - | - | 550,000 | 550,000 | |
| Oralabor Gateway Trail - SW White Birch Drive Grade-Separated Crossing | Trails | - | - | - | - | - | 2,200,000 | 2,200,000 | |
| SANITARY SEWERS | | | | | | | | | |
| Otter Creek Trunk Sewer - Phase 4 | SNS-12-001 | 252,000 | 1,673,000 | - | - | - | - | 1,925,000 | |
| Four Mile Creek Trunk Sewer | SNS-20-001 | 2,765,000 | - | - | - | - | - | 2,765,000 | |
| SE 3rd Street Trunk Sewer Extension | SNS-20-002 | - | 1,130,000 | - | - | - | - | 1,130,000 | |
| Trestle Ridge Trunk Sewer Cost Share | SNS-22-001 | 300,000 | 400,000 | - | - | - | - | 700,000 | |
| NE Crestmoor Sanitary Sewer Replacement | SNS-22-002 | 520,000 | - | - | - | - | - | 520,000 | |
| Clover Ridge Trunk Sewer Extension | SNS-22-003 | - | 101,000 | 824,000 | - | - | - | 925,000 | |
| Polk County Lift Station Decommissioning | SNS-22-004 | - | - | 105,000 | 1,146,000 | - | - | 1,251,000 | |
| SW Irvindale Drive Sanitary Sewer Replacement | SNS-23-002 | - | - | - | 11,000 | 114,000 | - | 125,000 | |
| Deer Creek Trunk Sewer Extension | SNS-23-003 | - | - | - | - | 193,000 | 1,807,000 | 2,000,000 | |
| STORM WATER | | | | | | | | | |
| Sawgrass Park Dam Improvements | STM-19-004 | - | 90,000 | 445,000 | - | - | - | 535,000 | |
| Four Mile Creek Channel Stabilization - NE 47th Street to NE 54th Street | STM-20-001 | 65,000 | 555,000 | 440,000 | - | - | - | 1,060,000 | |

| 2023-2027 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects | | | | | | | | |
|--|-------------|-----------|-----------|-----------|-----------|-----------|------------------------|--------------|
| Proposed Projects | Project No. | 2023 | 2024 | 2025 | 2026 | 2027 | High Priority Projects | Project Cost |
| High Trestle Trail Channel Stabilization | STM-20-002 | 480,000 | 310,000 | - | - | - | - | 790,000 |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | 250,000 | 1,275,000 | 1,220,000 | - | - | - | 2,745,000 |
| Westlawn Area Storm Sewer Improvements | STM-20-005 | - | - | 150,000 | 250,000 | 1,640,000 | 1,600,000 | 3,640,000 |
| SE 3rd Street Area Trunk Storm Sewer Improvements | STM-20-006 | - | 1,275,000 | - | - | - | - | 1,275,000 |
| SE 3rd Street Area Collection Storm Sewer Improvements | STM-21-001 | - | 180,000 | 1,380,000 | 1,330,000 | - | - | 2,890,000 |
| Westwinds Storm Sewer Extension | STM-21-002 | 210,000 | - | - | - | - | - | 210,000 |
| SE Creekview Drive Wetland | STM-22-001 | 1,500,000 | - | - | - | - | - | 1,500,000 |
| 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 | 3,610,000 | 3,800,000 |
| Four Mile Creek Channel Stabilization - Heritage Park | STM-23-001 | - | - | - | 95,000 | 90,000 | 770,000 | 955,000 |
| STREETS | | | | | | | | |
| NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street | STR-14-006 | 5,675,000 | 6,075,000 | 150,000 | - | - | - | 11,900,000 |
| SW Oralabor Road and SW Irvineland Drive Intersection Improvements | STR-16-003 | - | 250,000 | 500,000 | 4,350,000 | - | - | 5,100,000 |
| North Ankeny Boulevard and 18th Street Intersection Improvements | STR-18-001 | 440,000 | - | - | - | - | - | 440,000 |
| NW 36th Street Reconstruction - NW Irvineland Drive to NW Abilene Road | STR-18-003 | - | 250,000 | 800,000 | 7,750,000 | 125,000 | - | 8,925,000 |
| NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415 | STR-18-004 | - | - | - | - | 50,000 | 8,100,000 | 8,150,000 |
| NW 36th Street Asphalt Overlay - NW Weigel Drive to NW Irvineland Drive | STR-19-004 | 115,000 | 1,030,000 | - | - | - | - | 1,145,000 |
| SW Oralabor Road and SW Edgewood Lane Intersection Improvements | STR-19-006 | 200,000 | - | - | - | - | - | 200,000 |
| NW 18th Street Reconstruction - NW Ash Drive to North Ankeny Boulevard | STR-20-004 | 5,400,000 | - | - | - | - | - | 5,400,000 |
| NW 36th Street Widening - NW Ash Drive to North Ankeny Boulevard | STR-20-005 | 125,000 | - | - | - | - | - | 125,000 |
| SW Oralabor Road and SW State Street Intersection Improvements | STR-20-008 | 3,679,000 | 1,576,000 | - | - | - | - | 5,255,000 |
| SW State Street Reconstruction - SW Ordnance Road to West 1st Street (Southbound Lanes) | STR-21-001 | 1,825,000 | - | - | - | - | - | 1,825,000 |
| NW Irvineland Drive and NW 18th Street Intersection Improvements | STR-21-004 | 100,000 | 350,000 | 3,750,000 | - | - | - | 4,200,000 |
| South Ankeny Boulevard and SE Oralabor Road Safety Improvements | STR-21-005 | - | 100,000 | 250,000 | - | 150,000 | 4,310,000 | 4,810,000 |
| Uptown Parking Improvements | STR-21-006 | 410,000 | 540,000 | - | - | - | - | 950,000 |
| NW Weigel Drive Asphalt Overlay - NW 18th Street to NW 36th Street | STR-22-002 | 130,000 | 1,190,000 | - | - | - | - | 1,320,000 |
| West 1st Street Widening and Improvements - Phase 2 | STR-22-003 | - | 500,000 | 2,350,000 | 4,600,000 | 4,650,000 | - | 12,100,000 |
| NW 18th Street Reconstruction - NW State Street to NW Ash Drive | STR-22-004 | - | - | 100,000 | 425,000 | 4,775,000 | 100,000 | 5,400,000 |

| 2023-2027 Capital Improvement Program Overall Project Listing with 10-Year High Priority Projects | | | | | | | | |
|--|-------------|---------------|---------------|---------------|---------------|---------------|------------------------|----------------|
| Proposed Projects | Project No. | 2023 | 2024 | 2025 | 2026 | 2027 | High Priority Projects | Project Cost |
| North Ankeny Boulevard Improvements - 1st Street to 11th Street | STR-23-001 | 500,000 | 205,000 | 4,320,000 | 330,000 | - | - | 5,355,000 |
| NE Delaware Avenue Reconstruction - Four Mile Creek to NE 36th Street | STR-23-002 | - | - | - | - | 250,000 | 8,000,000 | 8,250,000 |
| NW State Street Corridor Improvements Study - West 1st Street to NW 18th Street | STR-23-003 | - | 100,000 | - | - | - | - | 100,000 |
| NW State Street Extension Preliminary Design | STR-23-004 | 500,000 | - | - | - | - | - | 500,000 |
| South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street | STR-23-005 | 200,000 | 400,000 | 375,000 | 5,650,000 | - | - | 6,625,000 |
| SW Magazine Road and SW State Street Intersection Capacity Improvements | STR-23-006 | 60,000 | 550,000 | - | - | - | - | 610,000 |
| NW State Street Extension to NW Irvineland Drive | Streets | - | - | - | - | - | 15,120,000 | 15,120,000 |
| NW 36th Street Widening - NW Abilene Road to NW Ash Drive | Streets | - | - | - | - | - | 9,000,000 | 9,000,000 |
| NW 36th Street Reconstruction - NW Weigel Drive to NW Irvineland Drive | Streets | - | - | - | - | - | 7,900,000 | 7,900,000 |
| East 1st Street Widening - NE Frisk Drive to NE Four Mile Drive | Streets | - | - | - | - | - | 7,300,000 | 7,300,000 |
| TRAFFIC | | | | | | | | |
| Interstate 35 and SE Corporate Woods Drive Interchange Justification Report | TRF-21-001 | 100,000 | - | - | - | - | - | 100,000 |
| Fiber Optic Network Upgrade | TRF-23-001 | 200,000 | 625,000 | 500,000 | 500,000 | 910,000 | - | 2,735,000 |
| SE Corporate Woods Drive and SE Crosswinds Drive Traffic Signal | TRF-23-002 | 40,000 | 385,000 | - | - | - | - | 425,000 |
| GPS Opticom Upgrade | TRF-22-003 | - | - | - | - | - | 1,024,000 | 1,024,000 |
| WATER | | | | | | | | |
| High Trestle Trail Transmission Main | WTM-17-001 | 4,254,000 | - | - | - | - | - | 4,254,000 |
| Saylorville Feeder Main Purchase Capacity | WTM-17-008 | - | 604,000 | - | - | - | - | 604,000 |
| South Ankeny Boulevard Transmission Main | WTM-18-001 | 2,950,000 | - | - | - | - | - | 2,950,000 |
| South Ankeny Boulevard Water Main Improvements - SE 3rd Street to SW Ordnance Road | WTM-19-001 | - | - | 222,000 | 2,028,000 | - | - | 2,250,000 |
| NW State Street Water Main Improvements | WTM-19-003 | - | - | - | 125,000 | 1,275,000 | - | 1,400,000 |
| SW Walnut Street and SW Ordnance Road Water Main | WTM-20-002 | - | 211,000 | 1,564,000 | - | - | - | 1,775,000 |
| NE 36th Street and NE 38th Street Water Main Loop | WTM-21-009 | 253,000 | 2,722,000 | - | - | - | - | 2,975,000 |
| Northwest Water Tower | WTT-19-002 | 10,945,000 | - | - | - | - | - | 10,945,000 |
| SE Delaware Ground Storage Tank Repaint | WTT-20-001 | 367,000 | - | - | - | - | - | 367,000 |
| SE Magazine Ground Storage Tank Repaint | WTT-20-002 | 50,000 | 654,000 | - | - | - | - | 704,000 |
| SW Irvineland Elevated Storage Tank Repaint | WTT-23-001 | - | - | - | 90,000 | 1,187,000 | - | 1,277,000 |
| | Year Totals | \$ 58,980,000 | \$ 41,191,000 | \$ 29,822,000 | \$ 39,780,000 | \$ 30,249,000 | \$ 172,859,000 | \$ 372,881,000 |

Section 2

City of Ankeny, Iowa

Financial Planning for Capital Projects

Projection of Tax Levies & Tax Rate Impact

FY24 Pre-Levy => 4,506,179

| Debt Service Levy Impact | |
|--------------------------|----------|
| Tax Impact for FY 21-22: | (\$0.05) |
| Tax Impact for FY 22-23: | (\$0.15) |
| Tax Impact for FY 23-24: | \$0.00 |
| Tax Impact for FY 24-25: | \$0.00 |

| Fiscal Year | Utility/ | | | | | | | Total Resources | Par Proceeds | Property | | | | | | Estimated Future GO Bonds | Bond Fees | Other Uses | Total Uses | Surplus/ (Deficit) | Ending Cash/Fund Balance |
|-------------|---------------------|---------------|------------|------------|---------------|-------------|--------------|-----------------|--------------|----------------|----------------|----------------|----------------|----------------|------------|---------------------------|------------|------------|------------|--------------------|--------------------------|
| | Total Tax Valuation | Taxes Growth | Levied | Debt Levy | TIF Abatement | Misc Income | Tax Backfill | | | 2023 CIP-Taxes | 2024 CIP-Taxes | 2025 CIP-Taxes | 2026 CIP-Taxes | 2027 CIP-Taxes | | | | | | | |
| | 2017 - 2018 | 3,117,104,836 | 7.6% | 12,935,985 | \$4.1500 | 9,021,835 | 11,510 | 373,393 | 22,342,723 | 23,123,605 | 21,801,317 | 22,483,299 | 23,334,941 | 23,356,250 | 24,199,486 | | | | | | |
| 2017 - 2018 | 3,117,104,836 | 7.6% | 12,935,985 | \$4.1500 | 9,021,835 | 11,510 | 373,393 | 22,342,723 | 23,123,605 | 21,801,317 | 22,483,299 | 23,334,941 | 23,356,250 | 24,199,486 | 7,000 | (8,348) | 23,122,257 | (779,534) | 2,148,966 | | |
| 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 | 22,703,697 | 23,334,941 | 23,356,250 | 24,199,486 | 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 | 23,334,941 | 23,356,250 | 24,199,486 | 7,000 | 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 | 23,356,250 | 24,199,486 | 7,000 | 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 | 24,199,486 | 7,000 | 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 | 9,381,151 | 12,000 | 277,565 | 24,395,172 | 24,199,486 | 7,000 | 7,000 | 24,206,486 | 7,000 | 188,686 | 2,024,212 | 2,024,212 | | | | | |
| 2023 - 2024 | 5,161,244,789 | 6.9% | 15,741,797 | \$3.0500 | 9,248,830 | 12,000 | 207,310 | 25,209,936 | 20,699,113 | 4,506,179 | 7,600 | 25,212,892 | 7,600 | (2,955) | 2,021,257 | 2,021,257 | | | | | |
| 2024 - 2025 | 5,370,776,715 | 4.1% | 16,380,869 | \$3.0500 | 8,213,269 | 12,000 | 136,342 | 24,742,480 | 18,065,763 | 2,992,175 | 3,682,272 | 7,600 | 24,747,809 | (5,329) | 2,015,927 | 2,015,927 | | | | | |
| 2025 - 2026 | 5,595,206,376 | 4.2% | 17,065,379 | \$3.0500 | 7,782,588 | 12,000 | 68,028 | 24,927,995 | 17,411,019 | 1,310,175 | 3,156,850 | 3,046,131 | 7,600 | 24,931,774 | (3,779) | 2,012,149 | 2,012,149 | | | | |
| 2026 - 2027 | 5,609,269,503 | 0.3% | 17,108,272 | \$3.0500 | 7,301,763 | 12,000 | 0 | 24,422,034 | 16,423,531 | 1,311,175 | 1,621,850 | 2,930,100 | 2,123,729 | 7,600 | 24,417,985 | 4,050 | 2,016,198 | 2,016,198 | | | |
| 2027 - 2028 | 5,855,181,705 | 4.4% | 17,858,304 | \$3.0500 | 6,132,144 | 12,000 | 0 | 24,002,448 | 14,666,050 | 1,314,925 | 1,622,350 | 1,504,700 | 2,113,225 | 2,773,842 | 7,600 | 24,002,692 | (244) | 2,015,954 | 2,015,954 | | |

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 | \$ 11,310,000 |
| 05/28/15 | 06/01/25 | 2,315,000 |
| 05/28/15 | 06/01/24 | 550,000 |
| 03/31/16 | 06/01/28 | 3,900,000 |
| 05/25/16 | 06/01/26 | 3,580,000 |
| 05/31/17 | 06/01/27 | 4,740,000 |
| 05/30/18 | 06/01/28 | 9,475,000 |
| 05/28/19 | 06/01/29 | 13,365,000 |
| 06/09/20 | 06/01/30 | 9,870,000 |
| 06/09/21 | 06/01/31 | 19,230,000 |
| 05/25/22 | 06/01/37 | 31,665,000 |
| Rebate & Lease Agreements | | 6,605,702 |
| Total Outstanding Debt | | \$ 116,605,702 |

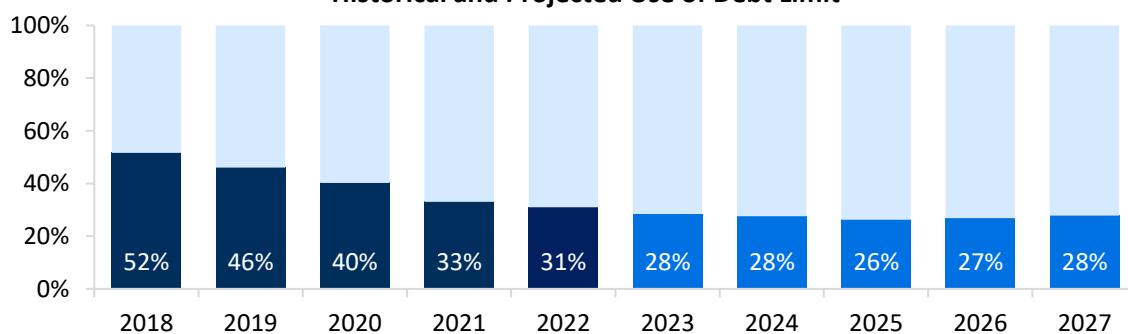
Projected Debt

| Bond Year | Debt Addition | Debt Reduction | Change in Rebates | Net Change | Projected Outstanding Debt |
|-----------|---------------|----------------|-------------------|----------------|----------------------------|
| 2023 | \$ 15,200,000 | \$ 19,340,000 | \$ - | \$ (4,140,000) | \$ 112,465,702 |
| 2024 | 19,240,000 | 16,780,000 | (669,733) | 1,790,267 | 114,255,969 |
| 2025 | 18,945,000 | 14,890,000 | (498,069) | 3,556,931 | 117,812,900 |
| 2026 | 21,500,000 | 14,920,000 | (1,077,875) | 5,502,125 | 123,315,025 |
| 2027 | 24,035,000 | 14,585,000 | (1,429,675) | 8,020,325 | 131,335,350 |

Calculation of Legal Debt Limit

| FY | Assessed Value | Debt Limit Value (5%) | Projected Outstanding Debt | Unused Debt Limit | % of Debt Limit Used |
|------|----------------|-----------------------|----------------------------|-------------------|----------------------|
| 2023 | 7,917,095,920 | \$ 395,854,796 | \$ 112,465,702 | \$ 283,389,094 | 28% |
| 2024 | 8,303,685,410 | 415,184,271 | 114,255,969 | 300,928,302 | 28% |
| 2025 | 8,974,093,390 | 448,704,670 | 117,812,900 | 330,891,770 | 26% |
| 2026 | 9,203,354,133 | 460,167,707 | 123,315,025 | 336,852,682 | 27% |
| 2027 | 9,439,492,700 | 471,974,635 | 131,335,350 | 340,639,285 | 28% |

Historical and Projected Use of Debt Limit



Section 3

City of Ankeny, Iowa
2023 - 2027 Capital Improvement Program
 2023 thru 2027

CATEGORY SUMMARY

| Category | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|
| Bridge/Box Culvert | 165,000 | 965,000 | 115,000 | 1,905,000 | 3,625,000 | <i>6,775,000</i> |
| Municipal Buildings | 1,395,000 | 6,745,000 | 625,000 | | | <i>8,765,000</i> |
| Park Facilities | 4,985,000 | 445,000 | 2,117,000 | 445,000 | 945,000 | <i>8,937,000</i> |
| Sanitary Sewers | 4,582,000 | 4,434,000 | 1,639,000 | 2,422,000 | 1,072,000 | <i>14,149,000</i> |
| Sidewalks/Trails | 535,000 | 535,000 | 535,000 | 535,000 | 535,000 | <i>2,675,000</i> |
| Storm Water | 2,955,000 | 4,135,000 | 4,160,000 | 2,630,000 | 4,390,000 | <i>18,270,000</i> |
| Streets and Alleys | 23,124,000 | 17,116,000 | 16,650,000 | 27,315,000 | 14,260,000 | <i>98,465,000</i> |
| Traffic Control | 1,655,000 | 2,000,000 | 1,490,000 | 1,525,000 | 2,200,000 | <i>8,870,000</i> |
| Water Mains | 8,222,000 | 4,162,000 | 2,491,000 | 2,913,000 | 2,035,000 | <i>19,823,000</i> |
| Water Towers/Storage | 11,362,000 | 654,000 | | 90,000 | 1,187,000 | <i>13,293,000</i> |
| TOTAL | 58,980,000 | 41,191,000 | 29,822,000 | 39,780,000 | 30,249,000 | <i>200,022,000</i> |

City of Ankeny, Iowa
2023 - 2027 Capital Improvement Program
2023 thru 2027

PROJECTS BY CATEGORY

| Category | Project # | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------|------------|------------|------------|------------|------------|------------|
| Storm Water | | | | | | | |
| Annual Storm Water Replacement Program | STM-00-001 | 450,000 | 450,000 | 450,000 | 450,000 | 450,000 | 2,250,000 |
| Sawgrass Park Dam Improvements | STM-19-004 | | 90,000 | 445,000 | | | 535,000 |
| Four Mile Creek Channel Stabilization-NE 47th St | STM-20-001 | 65,000 | 555,000 | 440,000 | | | 1,060,000 |
| High Trestle Trail Channel Stabilization | STM-20-002 | 480,000 | 310,000 | | | | 790,000 |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | 250,000 | 1,275,000 | 1,220,000 | | | 2,745,000 |
| Westlawn Area Storm Sewer Improvements | STM-20-005 | | | 150,000 | 250,000 | 1,640,000 | 2,040,000 |
| SE 3rd Street Area Trunk Storm Sewer Improvements | STM-20-006 | | 1,275,000 | | | | 1,275,000 |
| SE 3rd St Area Collection Storm Sewer Improvements | STM-21-001 | | 180,000 | 1,380,000 | 1,330,000 | | 2,890,000 |
| Westwinds Storm Sewer Extension | STM-21-002 | 210,000 | | | | | 210,000 |
| SE Creekview Drive Wetland | STM-22-001 | 1,500,000 | | | | | 1,500,000 |
| 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 | 190,000 |
| Four Mile Channel Stabilization-Heritage Park | STM-23-001 | | | | 95,000 | 90,000 | 185,000 |
| Storm Water Total | | 2,955,000 | 4,135,000 | 4,160,000 | 2,630,000 | 4,390,000 | 18,270,000 |
| Streets and Alleys | | | | | | | |
| Annual PCC Street Patching Program | STR-00-001 | 1,490,000 | 1,425,000 | 1,555,000 | 1,660,000 | 1,710,000 | 7,840,000 |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 475,000 | 475,000 | 350,000 | 375,000 | 350,000 | 2,025,000 |
| Annual Pavement Preservation Program | STR-00-003 | 350,000 | 375,000 | 400,000 | 425,000 | 450,000 | 2,000,000 |
| Annual Street Replacement Program | STR-00-004 | 1,450,000 | 1,725,000 | 1,750,000 | 1,750,000 | 1,750,000 | 8,425,000 |
| NE Delaware Avenue Reconstruction-5th to 18th | STR-14-006 | 5,675,000 | 6,075,000 | 150,000 | | | 11,900,000 |
| SW Oralabor Rd and SW Irwindale Dr Intersection | STR-16-003 | | 250,000 | 500,000 | 4,350,000 | | 5,100,000 |
| N Ankeny Blvd & 18th St Intersection Improvements | STR-18-001 | 440,000 | | | | | 440,000 |
| NW 36th St Reconstruction-Irwindale to Abilene | STR-18-003 | | 250,000 | 800,000 | 7,750,000 | 125,000 | 8,925,000 |
| NW 18th Street Extension-Spruce to Highway 415 | STR-18-004 | | | | | 50,000 | 50,000 |
| NW 36th St Asphalt Overlay-Weigel to Irwindale | STR-19-004 | 115,000 | 1,030,000 | | | | 1,145,000 |
| SW Oralabor Rd and SW Edgewood Ln Intersection | STR-19-006 | 200,000 | | | | | 200,000 |
| NW 18th Street Reconstruction-Ash to Ankeny Blvd | STR-20-004 | 5,400,000 | | | | | 5,400,000 |
| NW 36th Street Widening-Ash to Ankeny Blvd | STR-20-005 | 125,000 | | | | | 125,000 |
| SW Oralabor Rd and SW State St Intersection | STR-20-008 | 3,679,000 | 1,576,000 | | | | 5,255,000 |
| SW State St Reconstruction-Ordnance to 1st St | STR-21-001 | 1,825,000 | | | | | 1,825,000 |
| NW Irwindale Dr and NW 18th St Intersection | STR-21-004 | 100,000 | 350,000 | 3,750,000 | | | 4,200,000 |
| South Ankeny Blvd and SE Oralabor Rd Safety Impr | STR-21-005 | | 100,000 | 250,000 | | 150,000 | 500,000 |
| Uptown Parking Improvements | STR-21-006 | 410,000 | 540,000 | | | | 950,000 |
| NW Weigel Dr Asphalt Overlay-NW 18 St to NW 36 St | STR-22-002 | 130,000 | 1,190,000 | | | | 1,320,000 |
| West 1st Street Widening and Improvements-Phase 2 | STR-22-003 | | 500,000 | 2,350,000 | 4,600,000 | 4,650,000 | 12,100,000 |
| NW 18th St Reconstruction-NW State St to NW Ash Dr | STR-22-004 | | | 100,000 | 425,000 | 4,775,000 | 5,300,000 |
| N Ankeny Boulevard Improvements-1st St to 11th St | STR-23-001 | 500,000 | 205,000 | 4,320,000 | 330,000 | | 5,355,000 |
| NE Delaware Reconstruction-Four Mile to NE 36th | STR-23-002 | | | | | 250,000 | 250,000 |
| NW State State Corridor Improvements Study | STR-23-003 | | 100,000 | | | | 100,000 |
| NW State State Extension Preliminary Design | STR-23-004 | 500,000 | | | | | 500,000 |
| S Ankeny Blvd Improvements-SE Peterson to 1st St | STR-23-005 | 200,000 | 400,000 | 375,000 | 5,650,000 | | 6,625,000 |
| SW Magazine & State St Intersection Improvements | STR-23-006 | 60,000 | 550,000 | | | | 610,000 |
| Streets and Alleys Total | | 23,124,000 | 17,116,000 | 16,650,000 | 27,315,000 | 14,260,000 | 98,465,000 |
| Traffic Control | | | | | | | |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 1,315,000 | 990,000 | 990,000 | 1,025,000 | 1,290,000 | 5,610,000 |
| I-35 & SE Corp Woods Dr Interchange Justification | TRF-21-001 | 100,000 | | | | | 100,000 |
| Fiber Optic Network Upgrade | TRF-23-001 | 200,000 | 625,000 | 500,000 | 500,000 | 910,000 | 2,735,000 |
| SE Corporate Woods & Crosswinds Traffic Signal | TRF-23-002 | 40,000 | 385,000 | | | | 425,000 |
| Traffic Control Total | | 1,655,000 | 2,000,000 | 1,490,000 | 1,525,000 | 2,200,000 | 8,870,000 |

| Category | Project # | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------|------------|------------|------------|------------|------------|-------------|
| Water Mains | | | | | | | |
| Annual Water Main Replacement Program | WTM-00-001 | 765,000 | 625,000 | 705,000 | 760,000 | 760,000 | 3,615,000 |
| High Trestle Trail Transmission Main | WTM-17-001 | 4,254,000 | | | | | 4,254,000 |
| Saylorville Feeder Main Purchase Capacity | WTM-17-008 | | 604,000 | | | | 604,000 |
| South Ankeny Boulevard Transmission Main | WTM-18-001 | 2,950,000 | | | | | 2,950,000 |
| South Ankeny Boulevard Water Main Improvements | WTM-19-001 | | 222,000 | 2,028,000 | | | 2,250,000 |
| NW State Street Water Main Improvements | WTM-19-003 | | | 125,000 | 1,275,000 | | 1,400,000 |
| SW Walnut Street and SW Ordnance Road Water Main | WTM-20-002 | | 211,000 | 1,564,000 | | | 1,775,000 |
| NE 36th St and NE 38th St Water Main Loop | WTM-21-009 | 253,000 | 2,722,000 | | | | 2,975,000 |
| Water Mains Total | | 8,222,000 | 4,162,000 | 2,491,000 | 2,913,000 | 2,035,000 | 19,823,000 |
| Water Towers/Storage | | | | | | | |
| Northwest Water Tower | WTT-19-002 | 10,945,000 | | | | | 10,945,000 |
| SE Delaware Ground Storage Tank Repaint | WTT-20-001 | 367,000 | | | | | 367,000 |
| SE Magazine Ground Storage Tank Repaint | WTT-20-002 | 50,000 | 654,000 | | | | 704,000 |
| SW Irwindale Elevated Storage Tank Repaint | WTT-23-001 | | | 90,000 | 1,187,000 | | 1,277,000 |
| Water Towers/Storage Total | | 11,362,000 | 654,000 | | 90,000 | 1,187,000 | 13,293,000 |
| GRAND TOTAL | | 58,980,000 | 41,191,000 | 29,822,000 | 39,780,000 | 30,249,000 | 200,022,000 |

City of Ankeny, Iowa
2023 - 2027 Capital Improvement Program
2023 thru 2027

PROJECTS BY YEAR

| Project Name | Department | Project # | Project Cost |
|--|----------------------|-------------------|---------------------|
| 2023 | | | |
| Fire Station No. 4 | Administration | <i>BLD-20-002</i> | 1,080,000 |
| Lakeside Center Renovation | Parks and Recreation | <i>BLD-21-001</i> | 265,000 |
| Public Works Satellite Salt Storage Facility | Public Works | <i>BLD-21-002</i> | 50,000 |
| NE Frisk Drive Bridge over Deer Creek | Public Works | <i>BRG-22-001</i> | 90,000 |
| NE 62nd Street RCB Culvert for Four Mile Creek | Public Works | <i>BRG-23-001</i> | 75,000 |
| Annual Park Development Program | Parks and Recreation | <i>PRK-00-002</i> | 450,000 |
| Des Moines Street Parks | Parks and Recreation | <i>PRK-21-002</i> | 2,490,000 |
| High Trestle Trail Experience Park | Parks and Recreation | <i>PRK-22-005</i> | 700,000 |
| Cherry Glen Ballfield | Parks and Recreation | <i>PRK-22-006</i> | 625,000 |
| Prairie Ridge Sports Complex Tennis Courts Overlay | Parks and Recreation | <i>PRK-23-001</i> | 720,000 |
| Annual Sidewalk/Trail Construction Program | Public Works | <i>SDW-00-001</i> | 535,000 |
| Annual Sanitary Sewer Replacement Program | Sewer Utility | <i>SNS-00-001</i> | 745,000 |
| Otter Creek Trunk Sewer-Phase 4 | Sewer Utility | <i>SNS-12-001</i> | 252,000 |
| Four Mile Creek Trunk Sewer | Sewer Utility | <i>SNS-20-001</i> | 2,765,000 |
| Trestle Ridge Trunk Sewer Cost Share | Sewer Utility | <i>SNS-22-001</i> | 300,000 |
| NE Crestmoor Sanitary Sewer Replacement | Sewer Utility | <i>SNS-22-002</i> | 520,000 |
| Annual Storm Water Replacement Program | Storm Water Utility | <i>STM-00-001</i> | 450,000 |
| Four Mile Creek Channel Stabilization-NE 47th St | Storm Water Utility | <i>STM-20-001</i> | 65,000 |
| High Trestle Trail Channel Stabilization | Storm Water Utility | <i>STM-20-002</i> | 480,000 |
| Tributary to Four Mile Creek Channel Stabilization | Storm Water Utility | <i>STM-20-004</i> | 250,000 |
| Westwinds Storm Sewer Extension | Storm Water Utility | <i>STM-21-002</i> | 210,000 |
| SE Creekview Drive Wetland | Storm Water Utility | <i>STM-22-001</i> | 1,500,000 |
| Annual PCC Street Patching Program | Public Works | <i>STR-00-001</i> | 1,490,000 |
| Annual Asphalt Street Resurfacing Program | Public Works | <i>STR-00-002</i> | 475,000 |
| Annual Pavement Preservation Program | Public Works | <i>STR-00-003</i> | 350,000 |
| Annual Street Replacement Program | Public Works | <i>STR-00-004</i> | 1,450,000 |
| NE Delaware Avenue Reconstruction-5th to 18th | Public Works | <i>STR-14-006</i> | 5,675,000 |
| N Ankeny Blvd & 18th St Intersection Improvements | Public Works | <i>STR-18-001</i> | 440,000 |
| NW 36th St Asphalt Overlay-Weigel to Irvinendale | Public Works | <i>STR-19-004</i> | 115,000 |
| SW Oralabor Rd and SW Edgewood Ln Intersection | Public Works | <i>STR-19-006</i> | 200,000 |
| NW 18th Street Reconstruction-Ash to Ankeny Blvd | Public Works | <i>STR-20-004</i> | 5,400,000 |
| NW 36th Street Widening-Ash to Ankeny Blvd | Public Works | <i>STR-20-005</i> | 125,000 |
| SW Oralabor Rd and SW State St Intersection | Public Works | <i>STR-20-008</i> | 3,679,000 |
| SW State St Reconstruction-Ordnance to 1st St | Public Works | <i>STR-21-001</i> | 1,825,000 |
| NW Irvinendale Dr and NW 18th St Intersection | Public Works | <i>STR-21-004</i> | 100,000 |
| Uptown Parking Improvements | Public Works | <i>STR-21-006</i> | 410,000 |
| NW Weigel Dr Asphalt Overlay-NW 18 St to NW 36 St | Public Works | <i>STR-22-002</i> | 130,000 |
| N Ankeny Boulevard Improvements-1st St to 11th St | Public Works | <i>STR-23-001</i> | 500,000 |
| NW State St Extension Preliminary Design | Public Works | <i>STR-23-004</i> | 500,000 |
| S Ankeny Blvd Improvements-SE Peterson to 1st St | Public Works | <i>STR-23-005</i> | 200,000 |
| SW Magazine & State St Intersection Improvements | Public Works | <i>STR-23-006</i> | 60,000 |
| Annual Traffic Signal Improvement Program | Public Works | <i>TRF-00-001</i> | 1,315,000 |
| I-35 & SE Corp Woods Dr Interchange Justification | Public Works | <i>TRF-21-001</i> | 100,000 |
| Fiber Optic Network Upgrade | Public Works | <i>TRF-23-001</i> | 200,000 |

| Project Name | Department | Project # | Project Cost |
|--|---------------|------------|--------------|
| SE Corporate Woods & Crosswinds Traffic Signal | Public Works | TRF-23-002 | 40,000 |
| Annual Water Main Replacement Program | Water Utility | WTM-00-001 | 765,000 |
| High Trestle Trail Transmission Main | Water Utility | WTM-17-001 | 4,254,000 |
| South Ankeny Boulevard Transmission Main | Water Utility | WTM-18-001 | 2,950,000 |
| NE 36th St and NE 38th St Water Main Loop | Water Utility | WTM-21-009 | 253,000 |
| Northwest Water Tower | Water Utility | WTT-19-002 | 10,945,000 |
| SE Delaware Ground Storage Tank Repaint | Water Utility | WTT-20-001 | 367,000 |
| SE Magazine Ground Storage Tank Repaint | Water Utility | WTT-20-002 | 50,000 |

Total for 2023

58,980,000

2024

| | | | |
|--|----------------------|------------|-----------|
| Fire Station No. 4 | Administration | BLD-20-002 | 6,270,000 |
| Public Works Satellite Salt Storage Facility | Public Works | BLD-21-002 | 475,000 |
| SE Frisk Drive RCB Culvert for Four Mile Creek | Public Works | BRG-20-001 | 375,000 |
| NE 62nd Street RCB Culvert for Four Mile Creek | Public Works | BRG-23-001 | 590,000 |
| Annual Park Development Program | Parks and Recreation | PRK-00-002 | 445,000 |
| Annual Sidewalk/Trail Construction Program | Public Works | SDW-00-001 | 535,000 |
| Annual Sanitary Sewer Replacement Program | Sewer Utility | SNS-00-001 | 1,130,000 |
| Otter Creek Trunk Sewer-Phase 4 | Sewer Utility | SNS-12-001 | 1,673,000 |
| SE 3rd Street Trunk Sewer Extension | Sewer Utility | SNS-20-002 | 1,130,000 |
| Trestle Ridge Trunk Sewer Cost Share | Sewer Utility | SNS-22-001 | 400,000 |
| Clover Ridge Trunk Sewer Extension | Sewer Utility | SNS-22-003 | 101,000 |
| 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 Channel Stabilization-NE 47th St | Storm Water Utility | STM-20-001 | 555,000 |
| High Trestle Trail Channel Stabilization | Storm Water Utility | STM-20-002 | 310,000 |
| Tributary to Four Mile Creek Channel Stabilization | Storm Water Utility | STM-20-004 | 1,275,000 |
| SE 3rd Street Area Trunk Storm Sewer Improvements | Storm Water Utility | STM-20-006 | 1,275,000 |
| SE 3rd St Area Collection Storm Sewer Improvements | Storm Water Utility | STM-21-001 | 180,000 |
| Annual PCC Street Patching Program | Public Works | STR-00-001 | 1,425,000 |
| Annual Asphalt Street Resurfacing Program | Public Works | STR-00-002 | 475,000 |
| Annual Pavement Preservation Program | Public Works | STR-00-003 | 375,000 |
| Annual Street Replacement Program | Public Works | STR-00-004 | 1,725,000 |
| NE Delaware Avenue Reconstruction-5th to 18th | Public Works | STR-14-006 | 6,075,000 |
| SW Oralabor Rd and SW Irvineland Dr Intersection | Public Works | STR-16-003 | 250,000 |
| NW 36th St Reconstruction-Irvineland to Abilene | Public Works | STR-18-003 | 250,000 |
| NW 36th St Asphalt Overlay-Weigel to Irvineland | Public Works | STR-19-004 | 1,030,000 |
| SW Oralabor Rd and SW State St Intersection | Public Works | STR-20-008 | 1,576,000 |
| NW Irvineland Dr and NW 18th St Intersection | Public Works | STR-21-004 | 350,000 |
| South Ankeny Blvd and SE Oralabor Rd Safety Impr | Public Works | STR-21-005 | 100,000 |
| Uptown Parking Improvements | Public Works | STR-21-006 | 540,000 |
| NW Weigel Dr Asphalt Overlay-NW 18 St to NW 36 St | Public Works | STR-22-002 | 1,190,000 |
| West 1st Street Widening and Improvements-Phase 2 | Public Works | STR-22-003 | 500,000 |
| N Ankeny Boulevard Improvements-1st St to 11th St | Public Works | STR-23-001 | 205,000 |
| NW State State Corridor Improvements Study | Public Works | STR-23-003 | 100,000 |
| S Ankeny Blvd Improvements-SE Peterson to 1st St | Public Works | STR-23-005 | 400,000 |
| SW Magazine & State St Intersection Improvements | Public Works | STR-23-006 | 550,000 |
| Annual Traffic Signal Improvement Program | Public Works | TRF-00-001 | 990,000 |
| Fiber Optic Network Upgrade | Public Works | TRF-23-001 | 625,000 |
| SE Corporate Woods & Crosswinds Traffic Signal | Public Works | TRF-23-002 | 385,000 |
| Annual Water Main Replacement Program | Water Utility | WTM-00-001 | 625,000 |
| 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 | 211,000 |
| NE 36th St and NE 38th St Water Main Loop | Water Utility | WTM-21-009 | 2,722,000 |
| SE Magazine Ground Storage Tank Repaint | Water Utility | WTT-20-002 | 654,000 |

| Project Name | Department | Project # | Project Cost |
|--|-----------------------|------------|--------------|
| | Total for 2024 | | 41,191,000 |
| 2025 | | | |
| Fire Station No. 4 | Administration | BLD-20-002 | 625,000 |
| NW Reinhart Drive RCB Culvert for Rock Creek | Public Works | BRG-22-003 | 115,000 |
| Annual Park Development Program | Parks and Recreation | PRK-00-002 | 445,000 |
| Hawkeye Park Tennis Courts Reconstruction | Parks and Recreation | PRK-18-003 | 850,000 |
| Des Moines Street Parks | Parks and Recreation | PRK-21-002 | 322,000 |
| High Trestle Trail Experience Park | Parks and Recreation | PRK-22-005 | 500,000 |
| Annual Sidewalk/Trail Construction Program | Public Works | SDW-00-001 | 535,000 |
| Annual Sanitary Sewer Replacement Program | Sewer Utility | SNS-00-001 | 710,000 |
| Clover Ridge Trunk Sewer Extension | Sewer Utility | SNS-22-003 | 824,000 |
| Polk County Lift Station Decommissioning | Sewer Utility | SNS-22-004 | 105,000 |
| 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 Channel Stabilization-NE 47th St | Storm Water Utility | STM-20-001 | 440,000 |
| Tributary to Four Mile Creek Channel Stabilization | Storm Water Utility | STM-20-004 | 1,220,000 |
| Westlawn Area Storm Sewer Improvements | Storm Water Utility | STM-20-005 | 150,000 |
| SE 3rd St Area Collection Storm Sewer Improvements | Storm Water Utility | STM-21-001 | 1,380,000 |
| Diamond Hills Greenway Stream Stabilization | Storm Water Utility | STM-22-002 | 75,000 |
| Annual PCC Street Patching Program | Public Works | STR-00-001 | 1,555,000 |
| Annual Asphalt Street Resurfacing Program | Public Works | STR-00-002 | 350,000 |
| Annual Pavement Preservation Program | Public Works | STR-00-003 | 400,000 |
| Annual Street Replacement Program | Public Works | STR-00-004 | 1,750,000 |
| NE Delaware Avenue Reconstruction-5th to 18th | Public Works | STR-14-006 | 150,000 |
| 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 | 800,000 |
| NW Irvineland Dr and NW 18th St Intersection | Public Works | STR-21-004 | 3,750,000 |
| 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 | 2,350,000 |
| 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 | 4,320,000 |
| S Ankeny Blvd Improvements-SE Peterson to 1st St | Public Works | STR-23-005 | 375,000 |
| Annual Traffic Signal Improvement Program | Public Works | TRF-00-001 | 990,000 |
| Fiber Optic Network Upgrade | Public Works | TRF-23-001 | 500,000 |
| Annual Water Main Replacement Program | Water Utility | WTM-00-001 | 705,000 |
| South Ankeny Boulevard Water Main Improvements | Water Utility | WTM-19-001 | 222,000 |
| SW Walnut Street and SW Ordnance Road Water Main | Water Utility | WTM-20-002 | 1,564,000 |
| | Total for 2025 | | 29,822,000 |
| 2026 | | | |
| NE 18th Street Bridge over Interstate 35 | Public Works | BRG-22-002 | 750,000 |
| NW Reinhart Drive RCB Culvert for Rock Creek | Public Works | BRG-22-003 | 1,025,000 |
| NE Spectrum Drive RCB Culvert for Otter Creek | Public Works | BRG-22-004 | 130,000 |
| Annual Park Development Program | Parks and Recreation | PRK-00-002 | 445,000 |
| Annual Sidewalk/Trail Construction Program | Public Works | SDW-00-001 | 535,000 |
| Annual Sanitary Sewer Replacement Program | Sewer Utility | SNS-00-001 | 1,265,000 |
| Polk County Lift Station Decommissioning | Sewer Utility | SNS-22-004 | 1,146,000 |
| SW Irvineland Drive Sanitary Sewer Replacement | Sewer Utility | SNS-23-002 | 11,000 |
| Annual Storm Water Replacement Program | Storm Water Utility | STM-00-001 | 450,000 |
| Westlawn Area Storm Sewer Improvements | Storm Water Utility | STM-20-005 | 250,000 |
| 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 | 75,000 |
| 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 |

| Project Name | Department | Project # | Project Cost |
|--|---------------------|------------|--------------|
| Four Mile Channel Stabilization-Heritage Park | Storm Water Utility | STM-23-001 | 95,000 |
| Annual PCC Street Patching Program | Public Works | STR-00-001 | 1,660,000 |
| Annual Asphalt Street Resurfacing Program | Public Works | STR-00-002 | 375,000 |
| Annual Pavement Preservation Program | Public Works | STR-00-003 | 425,000 |
| Annual Street Replacement Program | Public Works | STR-00-004 | 1,750,000 |
| SW Oralabor Rd and SW Irwindale Dr Intersection | Public Works | STR-16-003 | 4,350,000 |
| NW 36th St Reconstruction-Irwindale to Abilene | Public Works | STR-18-003 | 7,750,000 |
| West 1st Street Widening and Improvements-Phase 2 | Public Works | STR-22-003 | 4,600,000 |
| NW 18th St Reconstruction-NW State St to NW Ash Dr | Public Works | STR-22-004 | 425,000 |
| N Ankeny Boulevard Improvements-1st St to 11th St | Public Works | STR-23-001 | 330,000 |
| S Ankeny Blvd Improvements-SE Peterson to 1st St | Public Works | STR-23-005 | 5,650,000 |
| Annual Traffic Signal Improvement Program | Public Works | TRF-00-001 | 1,025,000 |
| Fiber Optic Network Upgrade | Public Works | TRF-23-001 | 500,000 |
| Annual Water Main Replacement Program | Water Utility | WTM-00-001 | 760,000 |
| South Ankeny Boulevard Water Main Improvements | Water Utility | WTM-19-001 | 2,028,000 |
| NW State Street Water Main Improvements | Water Utility | WTM-19-003 | 125,000 |
| SW Irwindale Elevated StorageTank Repaint | Water Utility | WTT-23-001 | 90,000 |
| Total for 2026 | | | 39,780,000 |

2027

| | | | |
|--|----------------------|------------|------------|
| NE 18th Street Bridge over Interstate 35 | Public Works | BRG-22-002 | 2,450,000 |
| NE Spectrum Drive RCB Culvert for Otter Creek | Public Works | BRG-22-004 | 1,175,000 |
| Annual Park Development Program | Parks and Recreation | PRK-00-002 | 445,000 |
| High Trestle Trail Experience Park | Parks and Recreation | PRK-22-005 | 500,000 |
| Annual Sidewalk/Trail Construction Program | Public Works | SDW-00-001 | 535,000 |
| Annual Sanitary Sewer Replacement Program | Sewer Utility | SNS-00-001 | 765,000 |
| SW Irwindale Drive Sanitary Sewer Replacement | Sewer Utility | SNS-23-002 | 114,000 |
| Deer Creek Trunk Sewer Extension | Sewer Utility | SNS-23-003 | 193,000 |
| Annual Storm Water Replacement Program | Storm Water Utility | STM-00-001 | 450,000 |
| Westlawn Area Storm Sewer Improvements | Storm Water Utility | STM-20-005 | 1,640,000 |
| 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 | 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 | 190,000 |
| Four Mile Channel Stabilization-Heritage Park | Storm Water Utility | STM-23-001 | 90,000 |
| Annual PCC Street Patching Program | Public Works | STR-00-001 | 1,710,000 |
| Annual Asphalt Street Resurfacing Program | Public Works | STR-00-002 | 350,000 |
| Annual Pavement Preservation Program | Public Works | STR-00-003 | 450,000 |
| Annual Street Replacement Program | Public Works | STR-00-004 | 1,750,000 |
| NW 36th St Reconstruction-Irwindale to Abilene | Public Works | STR-18-003 | 125,000 |
| NW 18th Street Extension-Spruce to Highway 415 | Public Works | STR-18-004 | 50,000 |
| South Ankeny Blvd and SE Oralabor Rd Safety Impr | Public Works | STR-21-005 | 150,000 |
| West 1st Street Widening and Improvements-Phase 2 | Public Works | STR-22-003 | 4,650,000 |
| NW 18th St Reconstruction-NW State St to NW Ash Dr | Public Works | STR-22-004 | 4,775,000 |
| NE Delaware Reconstruction-Four Mile to NE 36th | Public Works | STR-23-002 | 250,000 |
| Annual Traffic Signal Improvement Program | Public Works | TRF-00-001 | 1,290,000 |
| Fiber Optic Network Upgrade | Public Works | TRF-23-001 | 910,000 |
| Annual Water Main Replacement Program | Water Utility | WTM-00-001 | 760,000 |
| NW State Street Water Main Improvements | Water Utility | WTM-19-003 | 1,275,000 |
| SW Irwindale Elevated StorageTank Repaint | Water Utility | WTT-23-001 | 1,187,000 |
| Total for 2027 | | | 30,249,000 |

GRAND TOTAL

200,022,000

City of Ankeny, Iowa
2023 - 2027 Capital Improvement Program
 2023 thru 2027

FUNDING SOURCE SUMMARY

| Source | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------------------|-------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Capital Project Fund | 11,628,087 | 1,804,752 | 655,000 | 3,675,000 | 160,000 | 17,922,839 |
| Capital Reserve Fund | 495,000 | 6,270,000 | 625,000 | | | 7,390,000 |
| Civic Trust Fund | 2,615,000 | | 322,000 | | | 2,937,000 |
| County Contributions | 50,000 | | | | | 50,000 |
| FHWA/IDOT Grants | 1,672,500 | 622,500 | 2,675,000 | 6,500,000 | | 11,470,000 |
| G.O. Bonds | 14,470,000 | 15,590,000 | 13,905,000 | 15,740,000 | 14,585,000 | 74,290,000 |
| G.O. Bonds - Storm Water Abated | 250,000 | 2,365,000 | 2,440,000 | 1,560,000 | 3,325,000 | 9,940,000 |
| G.O. Bonds - TIF Abated | 272,000 | 1,040,000 | 2,350,000 | 3,928,500 | 5,825,000 | 13,415,500 |
| Hotel/Motel Tax Fund | 300,000 | | 400,000 | | 400,000 | 1,100,000 |
| MPO/STBG Grants | 2,605,413 | 1,973,748 | | 1,151,500 | | 5,730,661 |
| Other Grants | 1,350,000 | 920,000 | 970,000 | 220,000 | 315,000 | 3,775,000 |
| Park Dedication Fund | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 400,000 |
| Private Contributions | 510,000 | 80,000 | | | | 590,000 |
| Road Use Tax Fund | 2,275,000 | 1,150,000 | 575,000 | 575,000 | 575,000 | 5,150,000 |
| Sewer Fund | 4,237,000 | 3,704,000 | 1,639,000 | 1,907,000 | 1,072,000 | 12,559,000 |
| Special Assessments | 255,000 | | | 750,000 | | 1,005,000 |
| Storm Water Fund | 750,000 | 800,000 | 800,000 | 850,000 | 850,000 | 4,050,000 |
| Water Fund | 1,270,000 | 600,000 | 600,000 | 815,000 | 600,000 | 3,885,000 |
| Water Revenue Bonds | 13,895,000 | 4,191,000 | 1,786,000 | 2,028,000 | 2,462,000 | 24,362,000 |
| GRAND TOTAL | | 58,980,000 | 41,191,000 | 29,822,000 | 39,780,000 | 30,249,000 |
| | | | | | | 200,022,000 |

City of Ankeny, Iowa
2023 - 2027 Capital Improvement Program
 2023 thru 2027

PROJECTS BY FUNDING SOURCE

| Source | Project # | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------|-------------------|------------------|----------------|------------------|----------------|-------------------|
| Capital Project Fund | | | | | | | |
| Fire Station No. 4 | BLD-20-002 | 150,000 | | | | | 150,000 |
| Annual Park Development Program | PRK-00-002 | 5,000 | | | | | 5,000 |
| High Trestle Trail Experience Park | PRK-22-005 | 400,000 | | | | | 400,000 |
| Cherry Glen Ballfield | PRK-22-006 | 500,000 | | | | | 500,000 |
| Prairie Ridge Sports Complex Tennis Courts Overlay | PRK-23-001 | 100,000 | | | | | 100,000 |
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 45,000 | 430,000 | | 515,000 | | 990,000 |
| Trestle Ridge Trunk Sewer Cost Share | SNS-22-001 | 300,000 | 300,000 | | | | 600,000 |
| Annual Storm Water Replacement Program | STM-00-001 | 100,000 | 50,000 | 50,000 | | | 200,000 |
| High Trestle Trail Channel Stabilization | STM-20-002 | 165,000 | | | | | 165,000 |
| Westwinds Storm Sewer Extension | STM-21-002 | 190,000 | | | | | 190,000 |
| NE Delaware Avenue Reconstruction-5th to 18th | STR-14-006 | 1,500,000 | | | | | 1,500,000 |
| SW Oralabor Rd and SW Irwindale Dr Intersection | STR-16-003 | | 250,000 | 500,000 | 3,000,000 | | 3,750,000 |
| SW Oralabor Rd and SW State St Intersection | STR-20-008 | 1,751,087 | 749,752 | | | | 2,500,839 |
| SW State St Reconstruction-Ordnance to 1st St | STR-21-001 | 1,825,000 | | | | | 1,825,000 |
| Uptown Parking Improvements | STR-21-006 | 138,000 | | | | | 138,000 |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 40,000 | | | | | 40,000 |
| Annual Water Main Replacement Program | WTM-00-001 | 165,000 | 25,000 | 105,000 | 160,000 | 160,000 | 615,000 |
| High Trestle Trail Transmission Main | WTM-17-001 | 4,254,000 | | | | | 4,254,000 |
| Capital Project Fund Total | | 11,628,087 | 1,804,752 | 655,000 | 3,675,000 | 160,000 | 17,922,839 |
| Capital Reserve Fund | | | | | | | |
| Fire Station No. 4 | BLD-20-002 | 230,000 | 6,270,000 | 625,000 | | | 7,125,000 |
| Lakeside Center Renovation | BLD-21-001 | 265,000 | | | | | 265,000 |
| Capital Reserve Fund Total | | 495,000 | 6,270,000 | 625,000 | | | 7,390,000 |
| Civic Trust Fund | | | | | | | |
| Des Moines Street Parks | PRK-21-002 | 2,490,000 | | 322,000 | | | 2,812,000 |
| Cherry Glen Ballfield | PRK-22-006 | 125,000 | | | | | 125,000 |
| Civic Trust Fund Total | | 2,615,000 | | 322,000 | | | 2,937,000 |
| County Contributions | | | | | | | |
| SW Oralabor Rd and SW Edgewood Ln Intersection | STR-19-006 | 50,000 | | | | | 50,000 |
| County Contributions Total | | 50,000 | | | | | 50,000 |
| FHWA/IDOT Grants | | | | | | | |
| NE Delaware Avenue Reconstruction-5th to 18th | STR-14-006 | 250,000 | 250,000 | | | | 500,000 |
| SW Oralabor Rd and SW Irwindale Dr Intersection | STR-16-003 | | | 1,000,000 | | | 1,000,000 |
| N Ankeny Blvd & 18th St Intersection Improvements | STR-18-001 | 200,000 | | | | | 200,000 |
| SW Oralabor Rd and SW Edgewood Ln Intersection | STR-19-006 | 100,000 | | | | | 100,000 |

| Source | Project # | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|------------|------------------|----------------|------------------|------------------|------|-------------------|
| SW Oralabor Rd and SW State St Intersection | STR-20-008 | 822,500 | 352,500 | | | | 1,175,000 |
| N Ankeny Boulevard Improvements-1st St to 11th St | STR-23-001 | 250,000 | 20,000 | 2,450,000 | | | 2,720,000 |
| S Ankeny Blvd Improvements-SE Peterson to 1st St | STR-23-005 | | | 225,000 | 5,500,000 | | 5,725,000 |
| I-35 & SE Corp Woods Dr Interchange Justification | TRF-21-001 | | 50,000 | | | | 50,000 |
| FHWA/IDOT Grants Total | | 1,672,500 | 622,500 | 2,675,000 | 6,500,000 | | 11,470,000 |

G.O. Bonds

| | | | | | | | |
|--|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Fire Station No. 4 | BLD-20-002 | 700,000 | | | | | 700,000 |
| SE Frisk Drive RCB Culvert for Four Mile Creek | BRG-20-001 | | 375,000 | | | | 375,000 |
| NE Frisk Drive Bridge over Deer Creek | BRG-22-001 | 90,000 | | | | | 90,000 |
| NE 18th Street Bridge over Interstate 35 | BRG-22-002 | | | 750,000 | 2,450,000 | | 3,200,000 |
| NW Reinhart Drive RCB Culvert for Rock Creek | BRG-22-003 | | 115,000 | 1,025,000 | | | 1,140,000 |
| NE 62nd Street RCB Culvert for Four Mile Creek | BRG-23-001 | 75,000 | 590,000 | | | | 665,000 |
| Annual Park Development Program | PRK-00-002 | 365,000 | 365,000 | 365,000 | 365,000 | 365,000 | 1,825,000 |
| Hawkeye Park Tennis Courts Reconstruction | PRK-18-003 | | 850,000 | | | | 850,000 |
| Prairie Ridge Sports Complex Tennis Courts Overlay | PRK-23-001 | 260,000 | | | | | 260,000 |
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 210,000 | 210,000 | 210,000 | 210,000 | 210,000 | 1,050,000 |
| Annual PCC Street Patching Program | STR-00-001 | 1,490,000 | 1,425,000 | 1,555,000 | 1,660,000 | 1,710,000 | 7,840,000 |
| Annual Asphalt Street Resurfacing Program | STR-00-002 | 475,000 | 475,000 | 350,000 | 375,000 | 350,000 | 2,025,000 |
| Annual Pavement Preservation Program | STR-00-003 | 350,000 | 375,000 | 400,000 | 425,000 | 450,000 | 2,000,000 |
| Annual Street Replacement Program | STR-00-004 | | 1,725,000 | 1,750,000 | 1,750,000 | 1,750,000 | 6,975,000 |
| NE Delaware Avenue Reconstruction-5th to 18th | STR-14-006 | 2,170,000 | 4,325,000 | 150,000 | | | 6,645,000 |
| N Ankeny Blvd & 18th St Intersection Improvements | STR-18-001 | 240,000 | | | | | 240,000 |
| NW 36th St Reconstruction-Irvinedale to Abilene | STR-18-003 | | 250,000 | 800,000 | 7,000,000 | 125,000 | 8,175,000 |
| NW 18th Street Extension-Spruce to Highway 415 | STR-18-004 | | | | | 50,000 | 50,000 |
| NW 36th St Asphalt Overlay-Weigel to Irvinedale | STR-19-004 | 115,000 | 1,030,000 | | | | 1,145,000 |
| SW Oralabor Rd and SW Edgewood Ln Intersection | STR-19-006 | 50,000 | | | | | 50,000 |
| NW 18th Street Reconstruction-Ash to Ankeny Blvd | STR-20-004 | 5,400,000 | | | | | 5,400,000 |
| NW 36th Street Widening-Ash to Ankeny Blvd | STR-20-005 | 125,000 | | | | | 125,000 |
| NW Irvinedale Dr and NW 18th St Intersection | STR-21-004 | 100,000 | 350,000 | 3,750,000 | | | 4,200,000 |
| South Ankeny Blvd and SE Oralabor Rd Safety Impr | STR-21-005 | | 100,000 | 250,000 | | 150,000 | 500,000 |
| NW Weigel Dr Asphalt Overlay-NW 18 St to NW 36 St | STR-22-002 | 130,000 | 1,190,000 | | | | 1,320,000 |
| NW 18th St Reconstruction-NW State St to NW Ash Dr | STR-22-004 | | | 100,000 | 425,000 | 4,775,000 | 5,300,000 |
| N Ankeny Boulevard Improvements-1st St to 11th St | STR-23-001 | 250,000 | 185,000 | 1,870,000 | 330,000 | | 2,635,000 |
| NE Delaware Reconstruction-Four Mile to NE 36th | STR-23-002 | | | | | 250,000 | 250,000 |
| NW State State Extension Preliminary Design | STR-23-004 | 500,000 | | | | | 500,000 |
| S Ankeny Blvd Improvements-SE Peterson to 1st St | STR-23-005 | 200,000 | 400,000 | 150,000 | 150,000 | | 900,000 |
| SW Magazine & State St Intersection Improvements | STR-23-006 | 60,000 | 550,000 | | | | 610,000 |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 875,000 | 740,000 | 740,000 | 775,000 | 1,040,000 | 4,170,000 |
| Fiber Optic Network Upgrade | TRF-23-001 | 200,000 | 625,000 | 500,000 | 500,000 | 910,000 | 2,735,000 |
| SE Corporate Woods & Crosswinds Traffic Signal | TRF-23-002 | 40,000 | 305,000 | | | | 345,000 |
| G.O. Bonds Total | | 14,470,000 | 15,590,000 | 13,905,000 | 15,740,000 | 14,585,000 | 74,290,000 |

G.O. Bonds - Storm Water Abated

| | | | | | | | |
|--|------------|---------|-----------|-----------|---------|-----------|-----------|
| Sawgrass Park Dam Improvements | STM-19-004 | | 90,000 | 445,000 | | | 535,000 |
| Four Mile Creek Channel Stabilization-NE 47th St | STM-20-001 | | 275,000 | 210,000 | | | 485,000 |
| High Trestle Trail Channel Stabilization | STM-20-002 | | 310,000 | | | | 310,000 |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | 250,000 | 235,000 | 180,000 | | | 665,000 |
| Westlawn Area Storm Sewer Improvements | STM-20-005 | | | 150,000 | 250,000 | 1,240,000 | 1,640,000 |
| SE 3rd Street Area Trunk Storm Sewer Improvements | STM-20-006 | | 1,275,000 | | | | 1,275,000 |
| SE 3rd St Area Collection Storm Sewer Improvements | STM-21-001 | | 180,000 | 1,380,000 | 930,000 | | 2,490,000 |
| Diamond Hills Greenway Stream Stabilization | STM-22-002 | | | 75,000 | 75,000 | 1,610,000 | 1,760,000 |

| Source | Project # | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------|-----------|-----------|-----------|-----------|-----------|------------|
| Four Mile Creek Channel Stabilization-East 1st St | STM-22-003 | | | | 95,000 | 90,000 | 185,000 |
| Four Mile Creek Channel Stabilization-NE 36th St | STM-22-004 | | | | 165,000 | 155,000 | 320,000 |
| Saylor Creek Tributary Channel Improvements | STM-22-005 | | | | | 190,000 | 190,000 |
| Four Mile Channel Stabilization-Heritage Park | STM-23-001 | | | | 45,000 | 40,000 | 85,000 |
| G.O. Bonds - Storm Water Abated Total | | 250,000 | 2,365,000 | 2,440,000 | 1,560,000 | 3,325,000 | 9,940,000 |
| G.O. Bonds - TIF Abated | | | | | | | |
| NE Spectrum Drive RCB Culvert for Otter Creek | BRG-22-004 | | | | 130,000 | 1,175,000 | 1,305,000 |
| SW Oralabor Rd and SW Irwindale Dr Intersection | STR-16-003 | | | | 350,000 | | 350,000 |
| Uptown Parking Improvements | STR-21-006 | 272,000 | 540,000 | | | | 812,000 |
| West 1st Street Widening and Improvements-Phase 2 | STR-22-003 | | 500,000 | 2,350,000 | 3,448,500 | 4,650,000 | 10,948,500 |
| G.O. Bonds - TIF Abated Total | | 272,000 | 1,040,000 | 2,350,000 | 3,928,500 | 5,825,000 | 13,415,500 |
| Hotel/Motel Tax Fund | | | | | | | |
| High Trestle Trail Experience Park | PRK-22-005 | 300,000 | | 400,000 | | 400,000 | 1,100,000 |
| Hotel/Motel Tax Fund Total | | 300,000 | | 400,000 | | 400,000 | 1,100,000 |
| MPO/STBG Grants | | | | | | | |
| NE Delaware Avenue Reconstruction-5th to 18th | STR-14-006 | 1,500,000 | 1,500,000 | | | | 3,000,000 |
| SW Oralabor Rd and SW State St Intersection | STR-20-008 | 1,105,413 | 473,748 | | | | 1,579,161 |
| West 1st Street Widening and Improvements-Phase 2 | STR-22-003 | | | 1,151,500 | | | 1,151,500 |
| MPO/STBG Grants Total | | 2,605,413 | 1,973,748 | | 1,151,500 | | 5,730,661 |
| Other Grants | | | | | | | |
| High Trestle Trail Experience Park | PRK-22-005 | | | 100,000 | | 100,000 | 200,000 |
| Four Mile Creek Channel Stabilization-NE 47th St | STM-20-001 | | 280,000 | 230,000 | | | 510,000 |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | | 640,000 | 640,000 | | | 1,280,000 |
| SE Creekview Drive Wetland | STM-22-001 | 1,350,000 | | | | | 1,350,000 |
| Four Mile Creek Channel Stabilization-East 1st St | STM-22-003 | | | 65,000 | 60,000 | | 125,000 |
| Four Mile Creek Channel Stabilization-NE 36th St | STM-22-004 | | | 105,000 | 105,000 | | 210,000 |
| Four Mile Channel Stabilization-Heritage Park | STM-23-001 | | | 50,000 | 50,000 | | 100,000 |
| Other Grants Total | | 1,350,000 | 920,000 | 970,000 | 220,000 | 315,000 | 3,775,000 |
| Park Dedication Fund | | | | | | | |
| Annual Park Development Program | PRK-00-002 | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 400,000 |
| Park Dedication Fund Total | | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 400,000 |
| Private Contributions | | | | | | | |
| Prairie Ridge Sports Complex Tennis Courts Overlay | PRK-23-001 | 360,000 | | | | | 360,000 |
| SE Creekview Drive Wetland | STM-22-001 | 150,000 | | | | | 150,000 |
| SE Corporate Woods & Crosswinds Traffic Signal | TRF-23-002 | | 80,000 | | | | 80,000 |
| Private Contributions Total | | 510,000 | 80,000 | | | | 590,000 |
| Road Use Tax Fund | | | | | | | |
| Public Works Satellite Salt Storage Facility | BLD-21-002 | 50,000 | 475,000 | | | | 525,000 |

| Source | Project # | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|------------|------------------|------------------|----------------|----------------|----------------|------------------|
| Annual Sidewalk/Trail Construction Program | SDW-00-001 | 325,000 | 325,000 | 325,000 | 325,000 | 325,000 | 1,625,000 |
| Annual Street Replacement Program | STR-00-004 | 1,450,000 | | | | | 1,450,000 |
| NW State State Corridor Improvements Study | STR-23-003 | | 100,000 | | | | 100,000 |
| Annual Traffic Signal Improvement Program | TRF-00-001 | 400,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,400,000 |
| I-35 & SE Corp Woods Dr Interchange Justification | TRF-21-001 | 50,000 | | | | | 50,000 |
| Road Use Tax Fund Total | | 2,275,000 | 1,150,000 | 575,000 | 575,000 | 575,000 | 5,150,000 |

Sewer Fund

| | | | | | | | |
|---|------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| Annual Sanitary Sewer Replacement Program | SNS-00-001 | 700,000 | 700,000 | 710,000 | 750,000 | 765,000 | 3,625,000 |
| Otter Creek Trunk Sewer-Phase 4 | SNS-12-001 | 252,000 | 1,673,000 | | | | 1,925,000 |
| Four Mile Creek Trunk Sewer | SNS-20-001 | 2,765,000 | | | | | 2,765,000 |
| SE 3rd Street Trunk Sewer Extension | SNS-20-002 | | 1,130,000 | | | | 1,130,000 |
| Trestle Ridge Trunk Sewer Cost Share | SNS-22-001 | | 100,000 | | | | 100,000 |
| NE Crestmoor Sanitary Sewer Replacement | SNS-22-002 | 520,000 | | | | | 520,000 |
| Clover Ridge Trunk Sewer Extension | SNS-22-003 | | 101,000 | 824,000 | | | 925,000 |
| Polk County Lift Station Decommissioning | SNS-22-004 | | | 105,000 | 1,146,000 | | 1,251,000 |
| SW Irwindale Drive Sanitary Sewer Replacement | SNS-23-002 | | | | 11,000 | 114,000 | 125,000 |
| Deer Creek Trunk Sewer Extension | SNS-23-003 | | | | | 193,000 | 193,000 |
| Sewer Fund Total | | 4,237,000 | 3,704,000 | 1,639,000 | 1,907,000 | 1,072,000 | 12,559,000 |

Special Assessments

| | | | | | | | |
|--|------------|----------------|---------|----------------|--|--|------------------|
| NE Delaware Avenue Reconstruction-5th to 18th | STR-14-006 | 255,000 | | | | | 255,000 |
| NW 36th St Reconstruction-Irwindale to Abilene | STR-18-003 | | 750,000 | | | | 750,000 |
| Special Assessments Total | | 255,000 | | 750,000 | | | 1,005,000 |

Storm Water Fund

| | | | | | | | |
|--|------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Annual Storm Water Replacement Program | STM-00-001 | 350,000 | 400,000 | 400,000 | 450,000 | 450,000 | 2,050,000 |
| Four Mile Creek Channel Stabilization-NE 47th St | STM-20-001 | 65,000 | | | | | 65,000 |
| High Trestle Trail Channel Stabilization | STM-20-002 | 315,000 | | | | | 315,000 |
| Tributary to Four Mile Creek Channel Stabilization | STM-20-004 | | 400,000 | 400,000 | | | 800,000 |
| Westlawn Area Storm Sewer Improvements | STM-20-005 | | | | 400,000 | | 400,000 |
| SE 3rd St Area Collection Storm Sewer Improvements | STM-21-001 | | | | 400,000 | | 400,000 |
| Westwinds Storm Sewer Extension | STM-21-002 | 20,000 | | | | | 20,000 |
| Storm Water Fund Total | | 750,000 | 800,000 | 800,000 | 850,000 | 850,000 | 4,050,000 |

Water Fund

| | | | | | | | |
|--|------------|------------------|----------------|----------------|----------------|----------------|------------------|
| Annual Water Main Replacement Program | WTM-00-001 | 600,000 | 600,000 | 600,000 | 600,000 | 600,000 | 3,000,000 |
| NW State Street Water Main Improvements | WTM-19-003 | | | | 125,000 | | 125,000 |
| NE 36th St and NE 38th St Water Main Loop | WTM-21-009 | 253,000 | | | | | 253,000 |
| SE Delaware Ground Storage Tank Repaint | WTT-20-001 | 367,000 | | | | | 367,000 |
| SE Magazine Ground Storage Tank Repaint | WTT-20-002 | 50,000 | | | | | 50,000 |
| SW Irwindale Elevated Storage Tank Repaint | WTT-23-001 | | | | 90,000 | | 90,000 |
| Water Fund Total | | 1,270,000 | 600,000 | 600,000 | 815,000 | 600,000 | 3,885,000 |

Water Revenue Bonds

| | | | | | | | |
|--|------------|-----------|---------|-----------|--|--|-----------|
| Saylorville Feeder Main Purchase Capacity | WTM-17-008 | 604,000 | | | | | 604,000 |
| South Ankeny Boulevard Transmission Main | WTM-18-001 | 2,950,000 | | | | | 2,950,000 |
| South Ankeny Boulevard Water Main Improvements | WTM-19-001 | | 222,000 | 2,028,000 | | | 2,250,000 |

| Source | Project # | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| NW State Street Water Main Improvements | WTM-19-003 | | | | 1,275,000 | 1,275,000 | |
| SW Walnut Street and SW Ordnance Road Water Main | WTM-20-002 | | 211,000 | 1,564,000 | | | 1,775,000 |
| NE 36th St and NE 38th St Water Main Loop | WTM-21-009 | | | 2,722,000 | | | 2,722,000 |
| Northwest Water Tower | WTT-19-002 | 10,945,000 | | | | | 10,945,000 |
| SE Magazine Ground Storage Tank Repaint | WTT-20-002 | | 654,000 | | | | 654,000 |
| SW Irwindale Elevated Storage Tank Repaint | WTT-23-001 | | | | 1,187,000 | 1,187,000 | |
| Water Revenue Bonds Total | | 13,895,000 | 4,191,000 | 1,786,000 | 2,028,000 | 2,462,000 | 24,362,000 |
| GRAND TOTAL | | 58,980,000 | 41,191,000 | 29,822,000 | 39,780,000 | 30,249,000 | 200,022,000 |

Section 4

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 will build a fourth fire station in northwest Ankeny, utilizing the same basic design as existing Fire Station No. 2 and 3. The new station will be located within ½ mile of the intersection of NW Weigel Drive and NW 18th Street, pending the acquisition of suitable land near that location. The acquisition cost for the land for this project was included in the 2021 CIP, however a larger footprint is desired, 2.5 acres, and carries a higher cost.

The design for the new fire station is recommended to be advanced from CY 2024 to CY 2023 for the purpose of accommodating a longer construction schedule for the facility. Construction is expected to begin in CY 2023, with construction completed in CY 2025. Occupancy is projected to take place on or about July 2025.

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------------------|----------------|------|------|------------------|
| Engineering-Design | 250,000 | | | | | 250,000 |
| Engineering-Construction Services | | 75,000 | 25,000 | | | 100,000 |
| Construction Costs | 600,000 | 5,400,000 | 600,000 | | | 6,600,000 |
| Land/ROW Acquisition | 230,000 | | | | | 230,000 |
| Other Costs | | 795,000 | | | | 795,000 |
| Total | 1,080,000 | 6,270,000 | 625,000 | | | 7,975,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|------------------|------------------|----------------|------|------|------------------|
| Capital Project Fund | 150,000 | | | | | 150,000 |
| Capital Reserve Fund | 230,000 | 6,270,000 | 625,000 | | | 7,125,000 |
| G.O. Bonds | 700,000 | | | | | 700,000 |
| Total | 1,080,000 | 6,270,000 | 625,000 | | | 7,975,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|------|---------------|---------------|---------------|---------------|
| Maintenance Costs | | | 4,000 | 4,000 | 4,000 | 12,000 |
| Utilities | | | 6,000 | 6,000 | 6,000 | 18,000 |
| Total | | | 10,000 | 10,000 | 10,000 | 30,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

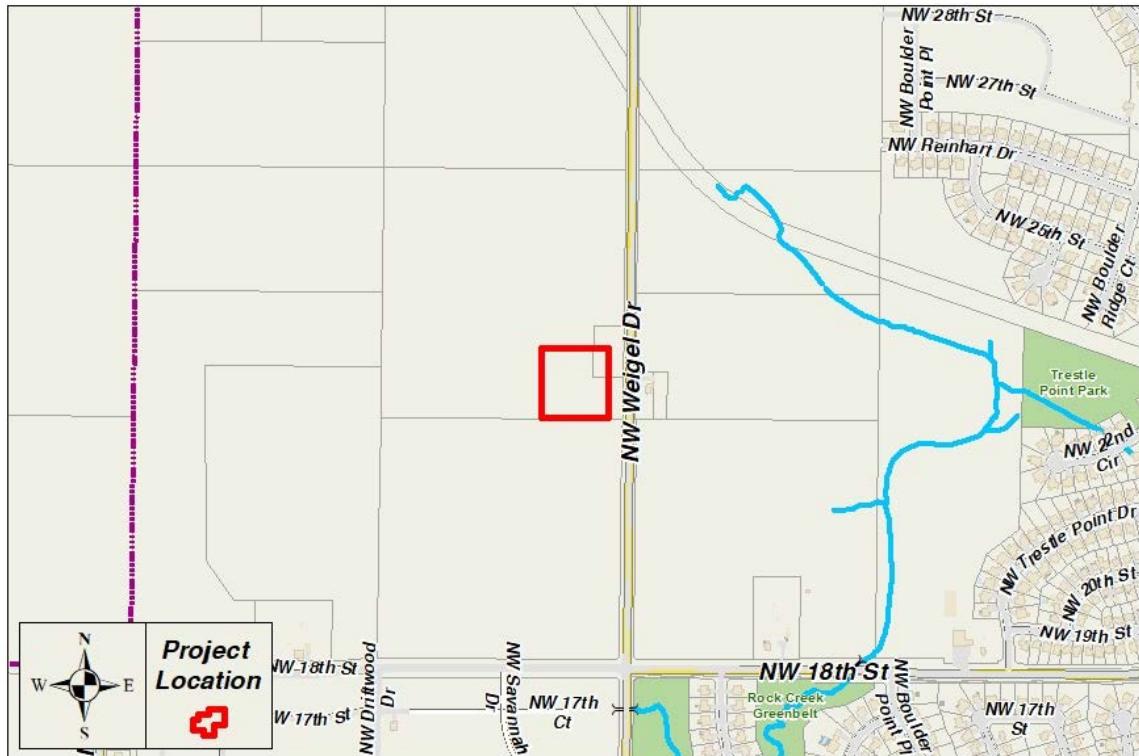
City of Ankeny, Iowa

Department Administration

Contact Assistant City Manager

Project # **BLD-20-002**

Project Name **Fire Station No. 4**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Parks and Recreation

Contact Parks and Recreation Director

Type Improvement

Useful Life 20 years

Category Municipal Buildings

Project # **BLD-21-001**

Project Name **Lakeside Center Renovation**

Description

Proposed renovations to the Lakeside Center that will provide a more functional space for recreational programming, as well as updating the facility for community use. Improvements needed to modernize the facility include:

- Ceiling, flooring and lighting finishes
- Windows
- Additional storage
- Landscaping/entrance work
- Interior painting
- Updated bathrooms

Justification

Although dated, the basic structure of the Lakeside Center building is in fair condition. The facility is programmed by the Recreation Division Monday-Thursday and available for community use Friday-Sunday. Even with the Senior Center Facility opening in late 2021, department staff believes that the Lakeside Centers fits a community need as a reasonably priced rental facility. With restricted programming space for the department and limited rental facilities in Ankeny, renovating the facility will provide better-quality options for the community. Annually, the Lakeside Center averages \$35,000 in rental fees from 75+ rentals, in addition to the recreational programming opportunities.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Construction Costs | 250,000 | | | | | 250,000 |
| Furniture, Fixtures & Equipment | | 15,000 | | | | 15,000 |
| Total | 265,000 | | | | | 265,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Capital Reserve Fund | 265,000 | | | | | 265,000 |
| Total | 265,000 | | | | | 265,000 |

Budget Impact/Other

Impacts will be minimal. This should be offset by the additional recreational use and facility rentals of the building.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

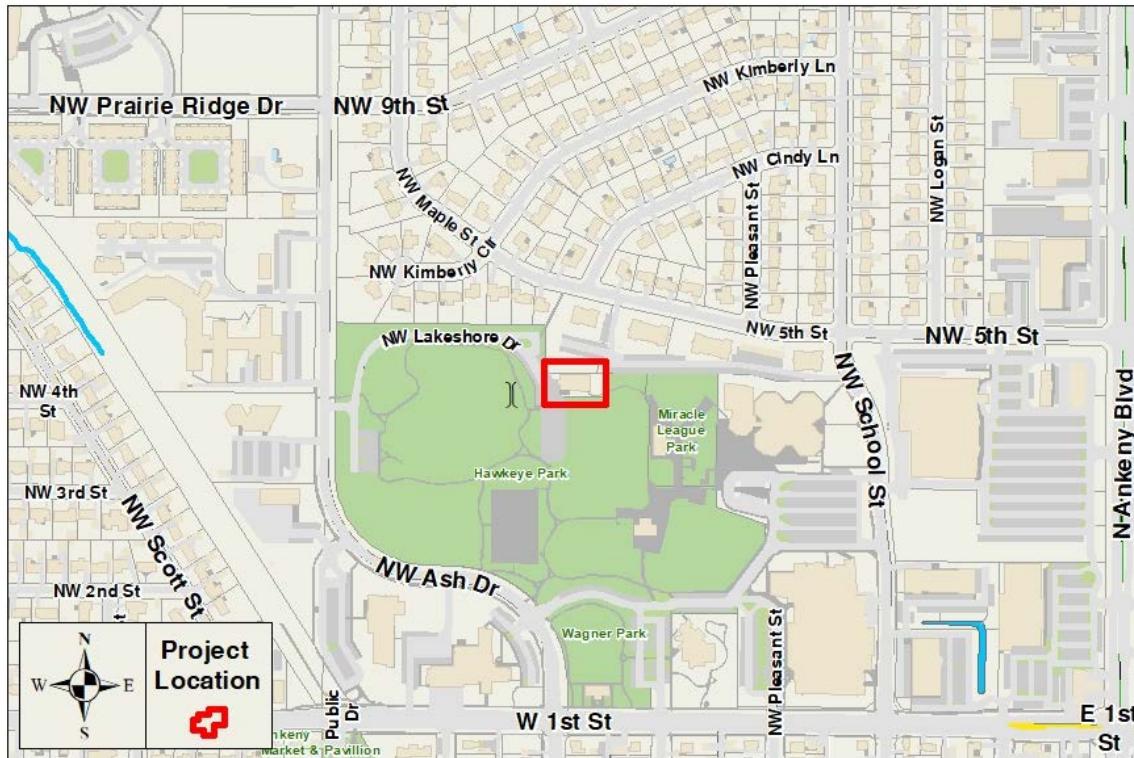
City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **BLD-21-001**

Project Name **Lakeside Center Renovation**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 1.6-acre property owned by the City where the planned Northwest Water Tower will be constructed – near the intersection of NW Irvineland 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 would 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|---------------|----------------|-------------|-------------|-------------|----------------|
| Engineering-Design | 50,000 | | | | | 50,000 |
| Construction Costs | | 475,000 | | | | 475,000 |
| Total | 50,000 | 475,000 | | | | 525,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Road Use Tax Fund | 50,000 | 475,000 | | | | 525,000 |
| Total | 50,000 | 475,000 | | | | 525,000 |

Budget Impact/Other

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

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Maintenance Costs | | | 300 | 300 | 300 | 900 |
| Utilities | | | 200 | 200 | 200 | 600 |
| Total | | | 500 | 500 | 500 | 1,500 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

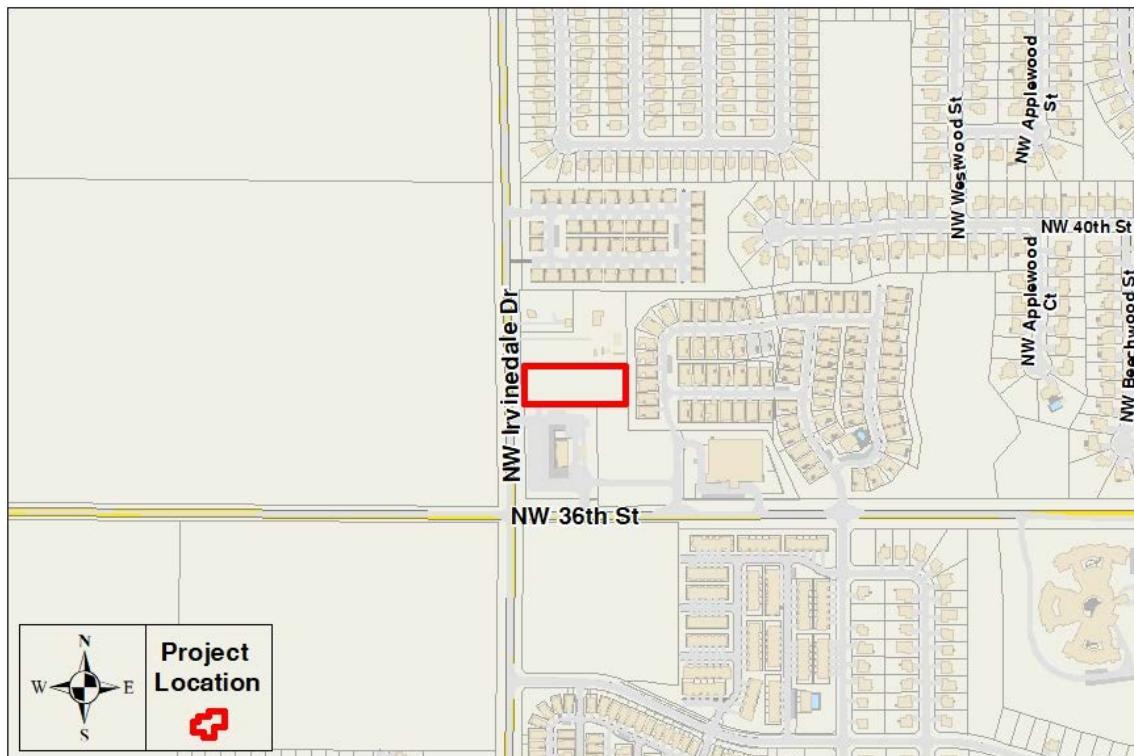
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **BLD-21-002**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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' 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 engineering design, construction engineering services and construction in 2024.

Justification

The 2021 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------|----------------|------|------|------|----------------|
| Engineering-Construction Services | | 75,000 | | | | 75,000 |
| Construction Costs | | 300,000 | | | | 300,000 |
| Total | | 375,000 | | | | 375,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | | 375,000 | | | | 375,000 |
| Total | | 375,000 | | | | 375,000 |

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.

2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

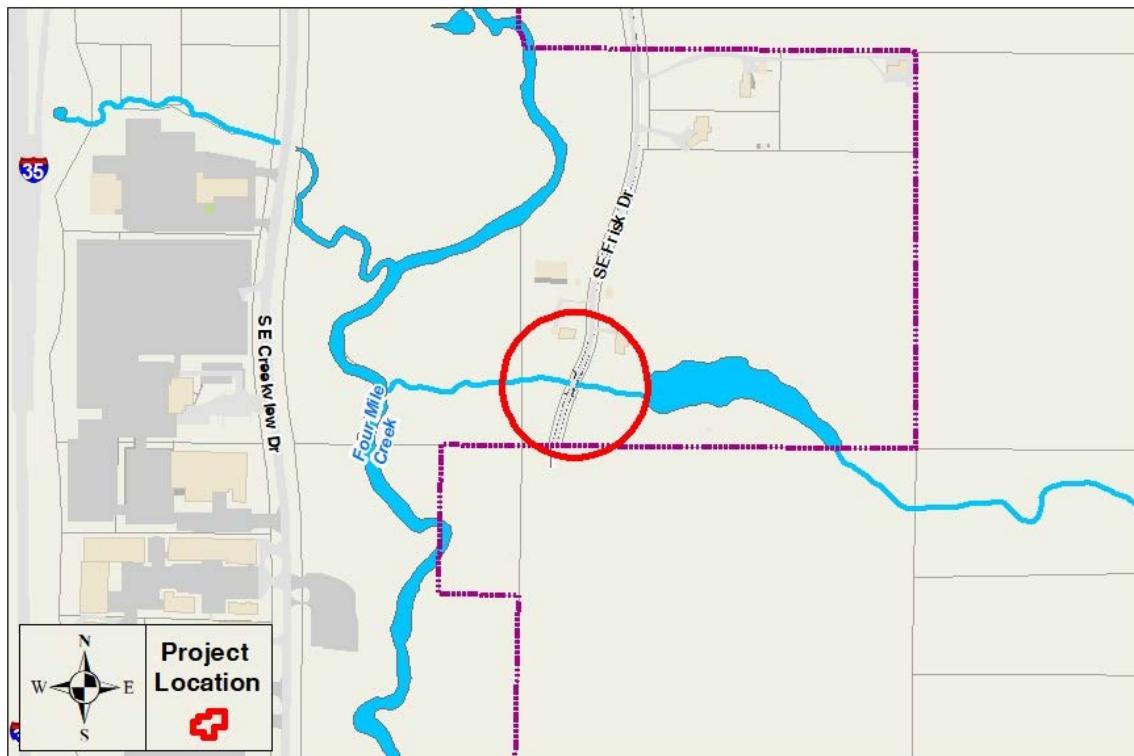
2023 *thru* 2027

Department Public Works

Contact City Engineer

Project # **BRG-20-001**

Project Name **SE Frisk Drive RCB Culvert for Four Mile Creek**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works

Contact City Engineer

Type Replacement

Useful Life 40 years

Category Bridge/Box Culvert

Project # BRG-22-001

Project Name NE Frisk Drive Bridge over Deer Creek

Description

Replace existing bridge on NE Frisk Drive over Deer Creek, approximately 700 feet south of NE Chambers Parkway. The new bridge will include sufficient width for a 10-ft. trail on the west side of the bridge.

Justification

Polk County is replacing the bridge on NE Frisk Drive over Deer Creek, beginning in the fall of 2022, due to its low service rating and currently posted weight restriction. The City requested additional width on the new bridge in order to accommodate a trail on one side. A pedestrian crossing of Deer Creek will be needed at this location in the future to provide connectivity in the City's sidewalk/trail system; and to provide better access for the residential developments north of the bridge to Heritage Park and the existing sidewalk/trail to the south. Polk County has requested reimbursement from the City in 2023 for the construction costs related to the additional width on the bridge for the trail. Only the City's cost-share amount is shown in the estimated construction costs.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|---------------|------|------|------|------|---------------|
| Construction Costs | 90,000 | | | | | 90,000 |
| Total | 90,000 | | | | | 90,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 90,000 | | | | | 90,000 |
| Total | 90,000 | | | | | 90,000 |

Budget Impact/Other

Polk County will own and maintain the bridge, so this project would not have an operating impact on the City.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

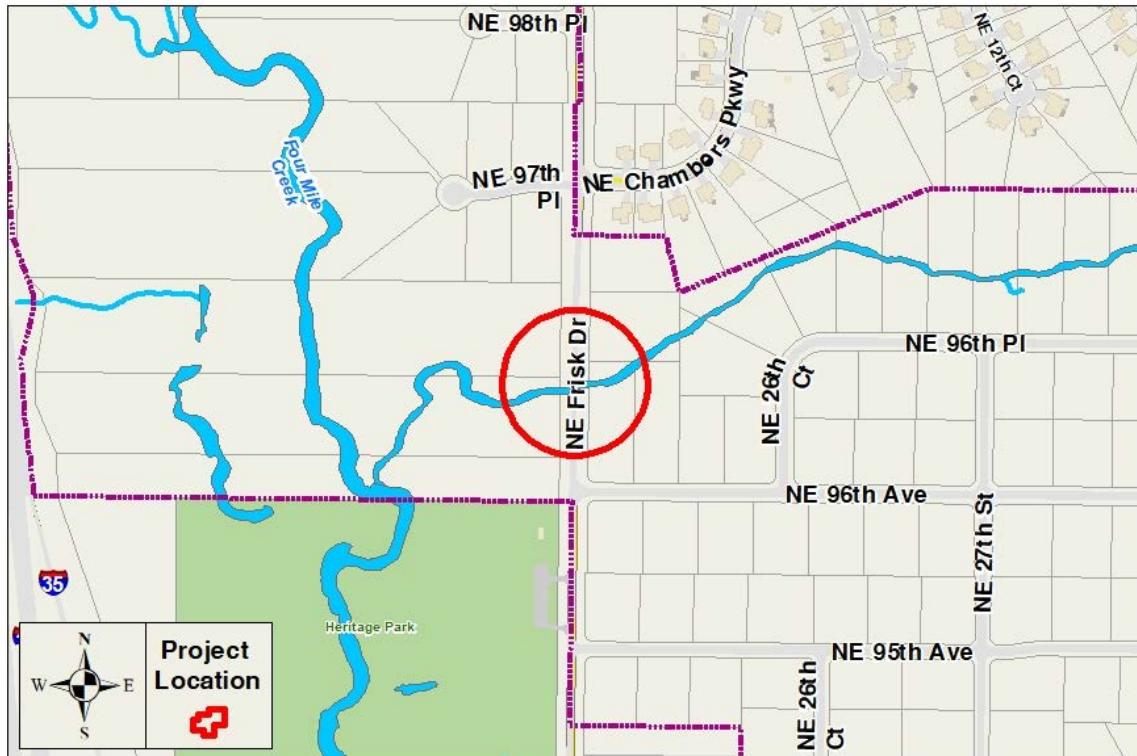
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **BRG-22-001**

Project Name **NE Frisk Drive Bridge over Deer Creek**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # **BRG-22-002**

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

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

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 proposed project schedule assumes topographic survey, preliminary design and NEPA documentation in early 2026; final design and right-of-way acquisition in late 2026/early 2027; vegetation clearing and embankment construction in summer 2027; I-35 bridge construction and Four Mile Creek pedestrian bridge construction in 2028; and NE 18th Street roadway and storm sewer construction in 2029. It is anticipated that the overall improvements will be constructed with three separate projects.

The City anticipates applying for STBG funding for the bridge project through the Des Moines Area MPO. In addition to the 2023-2027 costs shown in the table below, it is estimated that the 2028 project costs will be \$6,425,000 (includes \$350,000 for roadway design engineering services, \$5,675,000 for bridge construction, and \$400,000 for bridge construction engineering services) and that the 2029 project costs will be \$6,600,000 (includes \$6,175,000 for roadway construction and \$425,000 for roadway construction engineering services).

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 East 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. 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------|------|------|------|---------|-----------|-----------|
| Engineering-Design | | | | | 675,000 | 675,000 |
| Construction Costs | | | | | 1,275,000 | 1,275,000 |
| Land/ROW Acquisition | | | | | 500,000 | 500,000 |
| Survey/Preliminary Analysis | | | | 750,000 | | 750,000 |
| Total | | | | 750,000 | 2,450,000 | 3,200,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | | | | 750,000 | 2,450,000 | 3,200,000 |
| Total | | | | 750,000 | 2,450,000 | 3,200,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

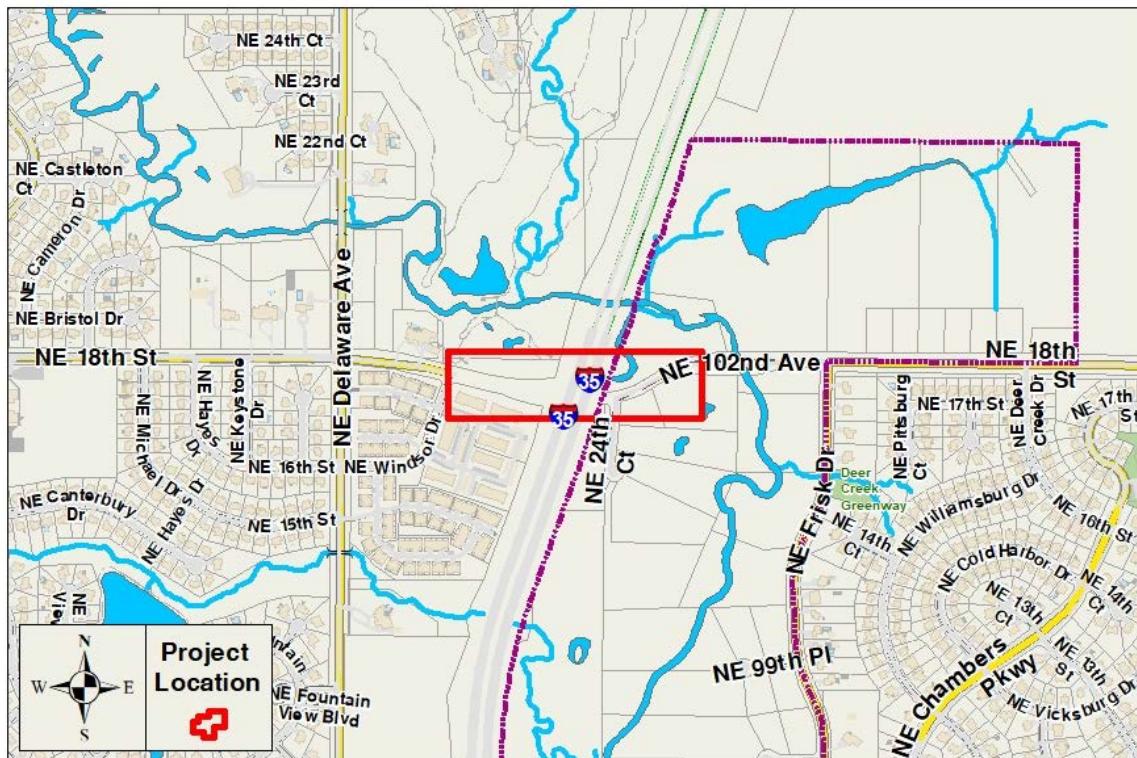
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # BRG-22-002

Project Name NE 18th Street Bridge over Interstate 35



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

Project # BRG-22-003

Project Name NW Reinhart Drive RCB Culvert for Rock Creek

Description

Complete a hydraulic study, design, and construct a new reinforced concrete box (RCB) culvert to accommodate future NW Reinhart Drive across Rock Creek.

Justification

The purpose of the project is to study, design and construct a new RCB culvert(s) to convey flow from Rock Creek under the future NW Reinhart Drive extension. The new RCB culvert(s) will support development north and west of NW 18th Street and NW Irvinedale Drive, respectively.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------|------|---------|-----------|------|-----------|
| Engineering-Design | | | 115,000 | | | 115,000 |
| Engineering-Construction Services | | | | 75,000 | | 75,000 |
| Construction Costs | | | | 950,000 | | 950,000 |
| Total | | | 115,000 | 1,025,000 | | 1,140,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | | | 115,000 | 1,025,000 | | 1,140,000 |
| Total | | | 115,000 | 1,025,000 | | 1,140,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

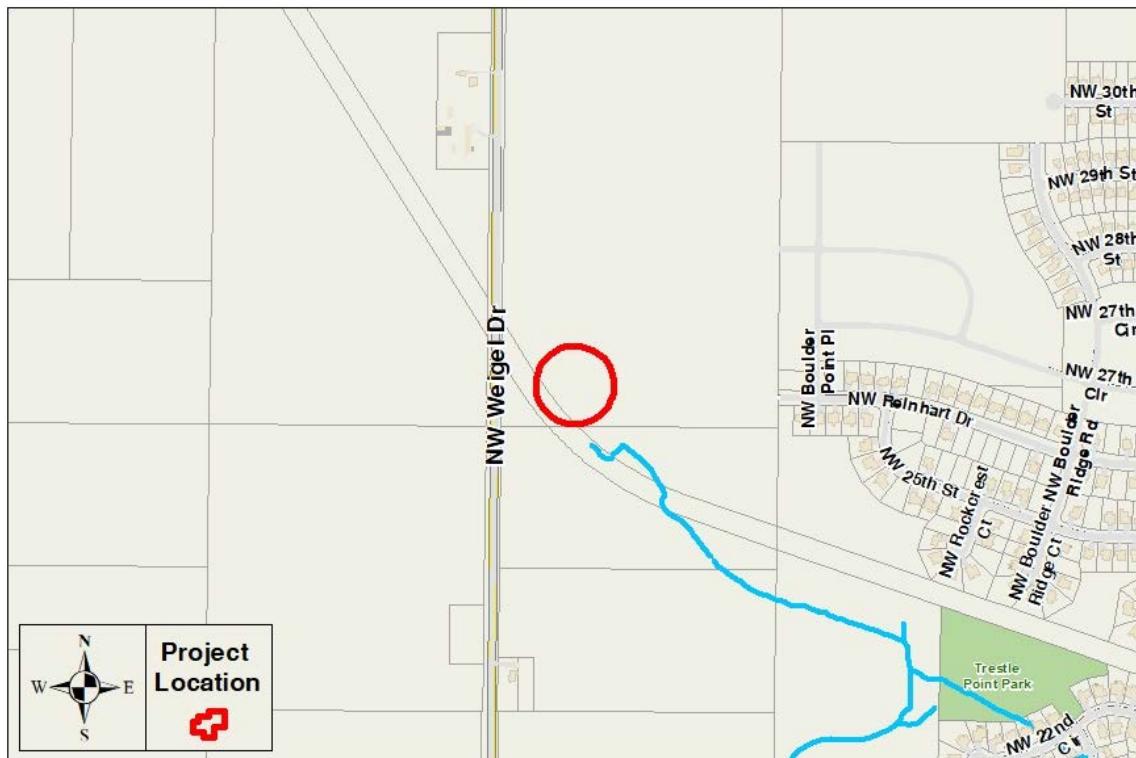
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **BRG-22-003**

Project Name **NW Reinhart Drive RCB Culvert for Rock Creek**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Engineering-Design | | | | 130,000 | | 130,000 |
| Engineering-Construction Services | | | | | 100,000 | 100,000 |
| Construction Costs | | | | | 1,075,000 | 1,075,000 |
| Total | | | | 130,000 | 1,175,000 | 1,305,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| G.O. Bonds - TIF Abated | | | | 130,000 | 1,175,000 | 1,305,000 |
| Total | | | | 130,000 | 1,175,000 | 1,305,000 |

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.

2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

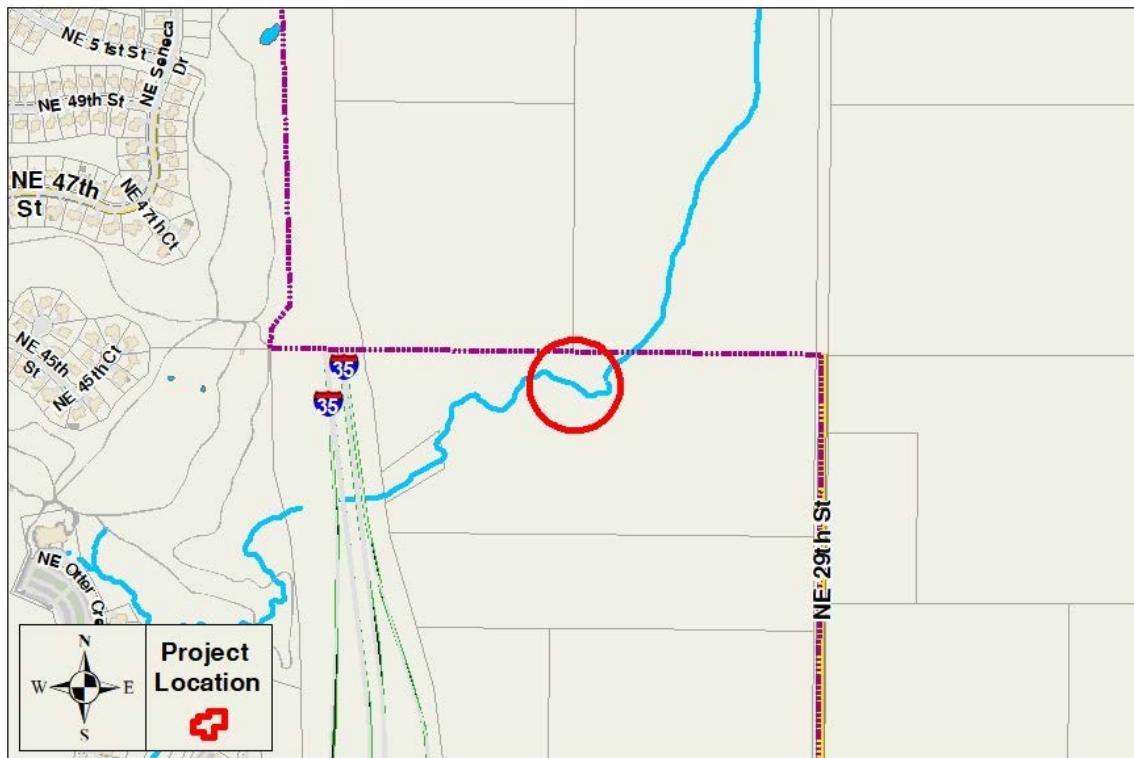
2023 *thru* 2027

Department Public Works

Contact City Engineer

Project # **BRG-22-004**

Project Name **NE Spectrum Drive RCB Culvert for Otter Creek**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 Creek

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 utilizing NE 62nd Street as a future collector level street to connect North Ankeny Boulevard.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|---------------|----------------|------|------|------|----------------|
| Engineering-Design | 75,000 | | | | | 75,000 |
| Engineering-Construction Services | | 90,000 | | | | 90,000 |
| Construction Costs | | 500,000 | | | | 500,000 |
| Total | 75,000 | 590,000 | | | | 665,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 75,000 | 590,000 | | | | 665,000 |
| Total | 75,000 | 590,000 | | | | 665,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

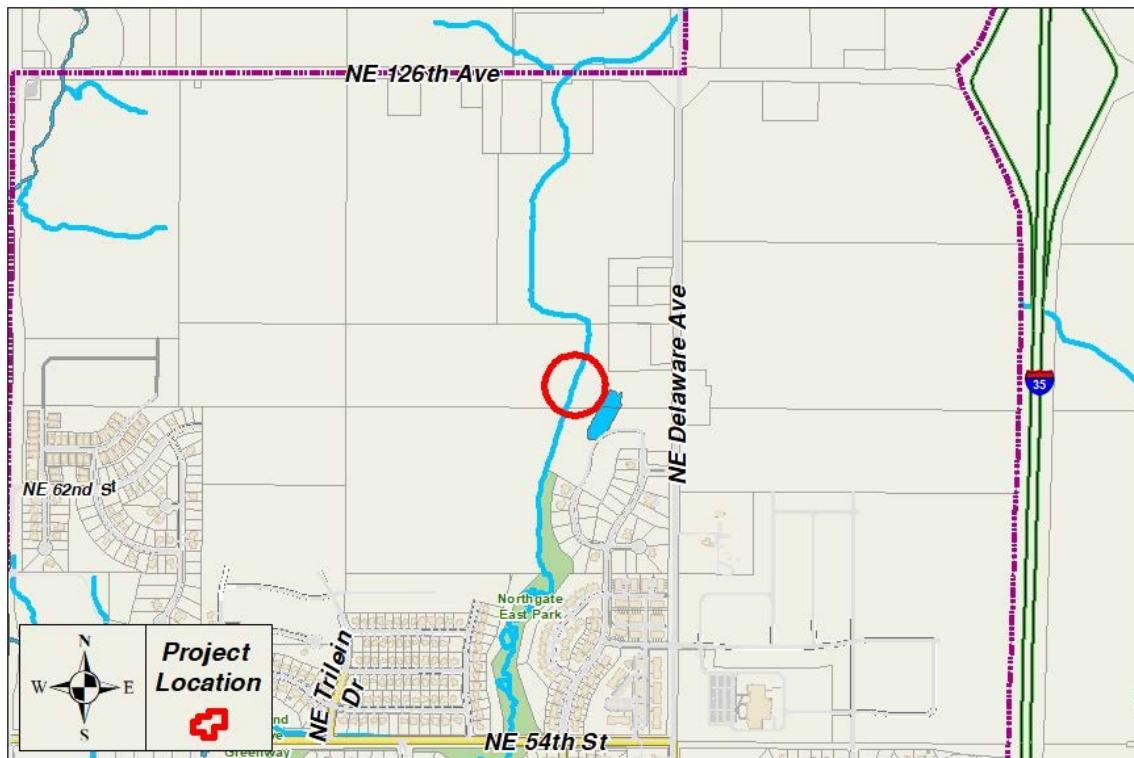
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **BRG-23-001**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # PRK-00-002
Project Name Annual Park Development Program

Department Parks and Recreation

Contact Parks and Recreation Director

Type Improvement

Useful Life 20 years

Category Park Facilities

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

2023

- Aspen Ridge Park Development: trail connection and turf improvements
- Creekside Mini-Park

2024

- Watercrest Park Expansion: splash pad, shelter, trail loop, etc.

2025

- Kimberley Crossing Park Development: playground, trail connection and shelter

2026

- Other projects TBD based on park dedication, development funding and pace of development

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Engineering-Design | 50,000 | 45,000 | 45,000 | 45,000 | 45,000 | 230,000 |
| Construction Costs | 400,000 | 400,000 | 400,000 | 400,000 | 400,000 | 2,000,000 |
| Total | 450,000 | 445,000 | 445,000 | 445,000 | 445,000 | 2,230,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Capital Project Fund | 5,000 | | | | | 5,000 |
| G.O. Bonds | 365,000 | 365,000 | 365,000 | 365,000 | 365,000 | 1,825,000 |
| Park Dedication Fund | 80,000 | 80,000 | 80,000 | 80,000 | 80,000 | 400,000 |
| Total | 450,000 | 445,000 | 445,000 | 445,000 | 445,000 | 2,230,000 |

Budget Impact/Other

Aspen Ridge Park and Creekside Mini-Park construction will increase operating and maintenance costs by a negligible amount.

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Parks and Recreation
Contact Parks and Recreation Director

Project # **PRK-00-002**

Project Name **Annual Park Development Program**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|------|------|---------|------|------|---------|
| Engineering-Design | | | 75,000 | | | 75,000 |
| Construction Costs | | | 775,000 | | | 775,000 |
| Total | | | 850,000 | | | 850,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **PRK-18-003**

Project Name **Hawkeye Park Tennis Courts Reconstruction**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Parks and Recreation

Contact Parks and Recreation Director

Type New Construction

Useful Life 40 years

Category Park Facilities

Project # PRK-21-002

Project Name Des Moines Street Parks

Description

Des Moines Street Parks Development

Justification

The Des Moines Street Master Plan was completed in 2019. The plan includes developing 50 total acres into three community parks (north, middle, and south) suitable for active park space, large stormwater management corridors and passive natural areas. The desired park elements include picnic shelters, playgrounds, practice fields, pickleball courts, trails and passive open space. Grading, utilities, parking lot and trail connections were completed for the middle park in 2022.

Proposed Design/Construction Phasing:

2023: Middle Park – Construction (playground, shelter with single family restroom and park amenities)

2023: South Park and trail connections – Design and construction (shelter, restrooms, pickleball courts, ballfields and park amenities)

2025: North Park and Trail Park – Design and construction

These projects would qualify for Civic Trust Funds.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|------------------|------|----------------|------|------|------------------|
| Engineering-Design | 115,000 | | 32,000 | | | 147,000 |
| Construction Costs | 2,375,000 | | 290,000 | | | 2,665,000 |
| Total | 2,490,000 | | 322,000 | | | 2,812,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------|------------------|------|----------------|------|------|------------------|
| Civic Trust Fund | 2,490,000 | | 322,000 | | | 2,812,000 |
| Total | 2,490,000 | | 322,000 | | | 2,812,000 |

Budget Impact/Other

The maintained park space will include 20 active space acres and 30 natural acres.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|--------------|------|------------|------|------|--------------|
| Maintenance Costs | 4,700 | | 750 | | | 5,450 |
| Total | 4,700 | | 750 | | | 5,450 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

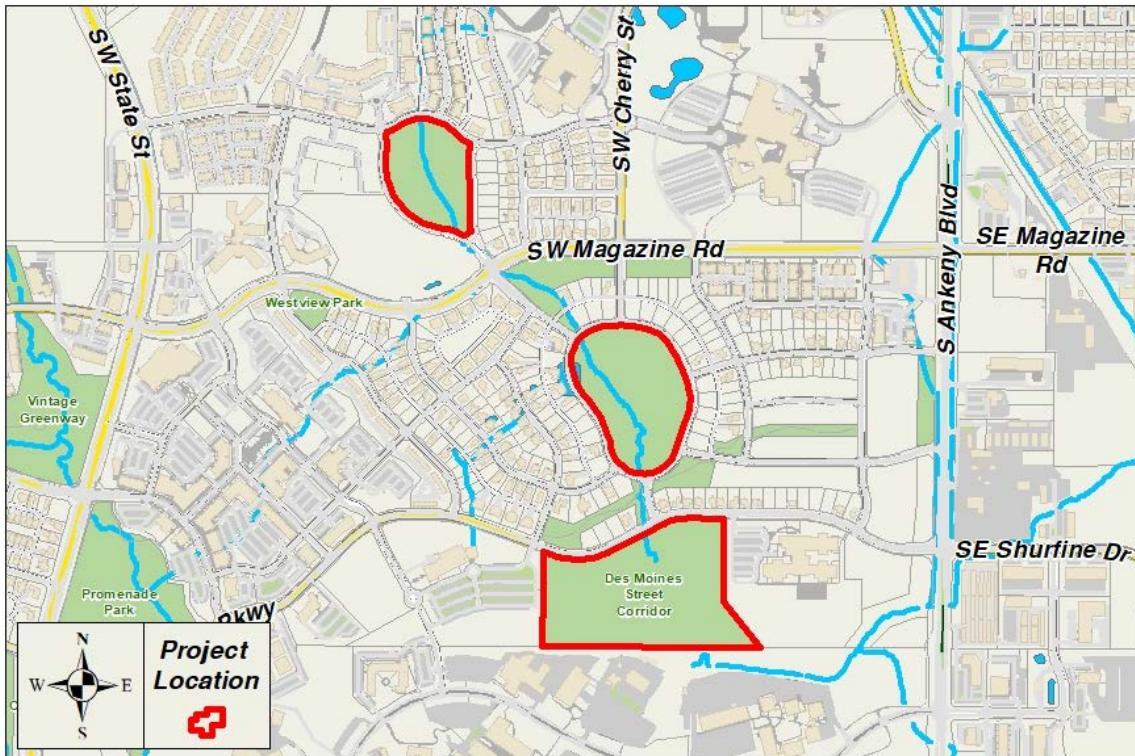
City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **PRK-21-002**

Project Name **Des Moines Street Parks**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Type New Construction

Useful Life 40 years

Category Park Facilities

Project # PRK-22-005

Project Name High Trestle Trail Experience Park

Description

This request is for funding improvements to the High Trestle Trail corridor from the Senior Community Center on West 1st Street to the underpass under South Ankeny Boulevard. Improvements will include grading, importing soil, native plantings, 80+ 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 nine acres.

Justification

This work began with our 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|----------------|------|----------------|------|----------------|------------------|
| Engineering-Design | 50,000 | | | | | 50,000 |
| Construction Costs | 650,000 | | 500,000 | | 500,000 | 1,650,000 |
| Total | 700,000 | | 500,000 | | 500,000 | 1,700,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Capital Project Fund | 400,000 | | | | | 400,000 |
| Hotel/Motel Tax Fund | 300,000 | | 400,000 | | 400,000 | 1,100,000 |
| Other Grants | | | 100,000 | | 100,000 | 200,000 |
| Total | 700,000 | | 500,000 | | 500,000 | 1,700,000 |

Budget Impact/Other

Operating impacts include ongoing park maintenance, including cleaning, trash removal, general maintenance of landscape, and electricity costs for lighting.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|--------------|------|------|------|------|--------------|
| Maintenance Costs | 1,500 | | | | | 1,500 |
| Personnel Costs | 2,500 | | | | | 2,500 |
| Utilities | 750 | | | | | 750 |
| Total | 4,750 | | | | | 4,750 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

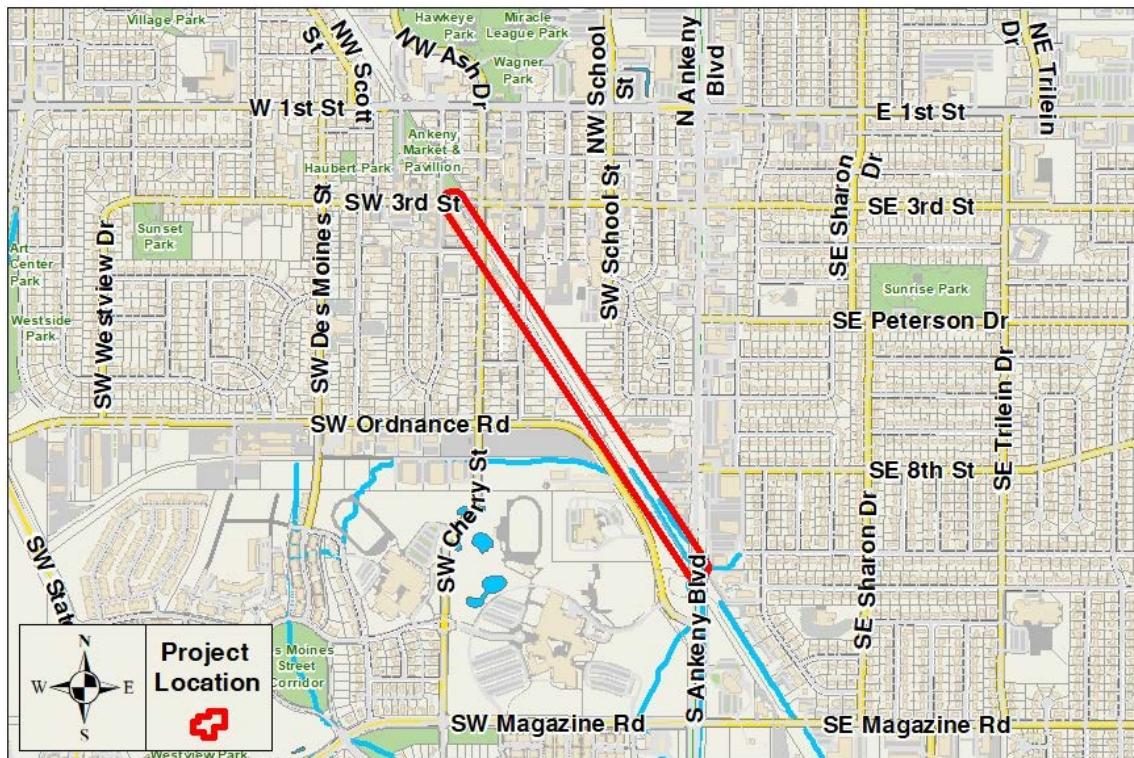
City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **PRK-22-005**

Project Name **High Trestle Trail Experience Park**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # PRK-22-006
Project Name Cherry Glen Ballfield

Department Parks and Recreation

Contact Parks and Recreation Director

Type New Construction

Useful Life 40 years

Category Park Facilities

Description

Construct a 200' baseball/softball field in the Cherry Glen neighborhood in northwest Ankeny. Additional park amenities include parking lot, batting cages, connecting trails, shelter, drinking fountain, etc.

Justification

Community use and limited access to baseball/softball fields are at an all-time high demand. This project would help alleviate field congestion and provide an additional ballfield (skinned infield) for community use. The project site is a good location to add a ballfield as it is City-owned, bordered on the west by Highway 415, will have minimal impact on neighboring property owners and is accessible from NW 8th Street. Department staff would plan on reserving the field through the current community lottery system administered each spring.

Snyder & Associates is currently under a Professional Services Agreement for design and construction administration. The project is scheduled to be bid November 2022.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|----------------|------|------|------|------|----------------|
| Construction Costs | 625,000 | | | | | 625,000 |
| Total | 625,000 | | | | | 625,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Capital Project Fund | 500,000 | | | | | 500,000 |
| Civic Trust Fund | 125,000 | | | | | 125,000 |
| Total | 625,000 | | | | | 625,000 |

Budget Impact/Other

Minimal impacts expected on department operations would include annual field maintenance and snow removal. No field lighting is included with this project.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

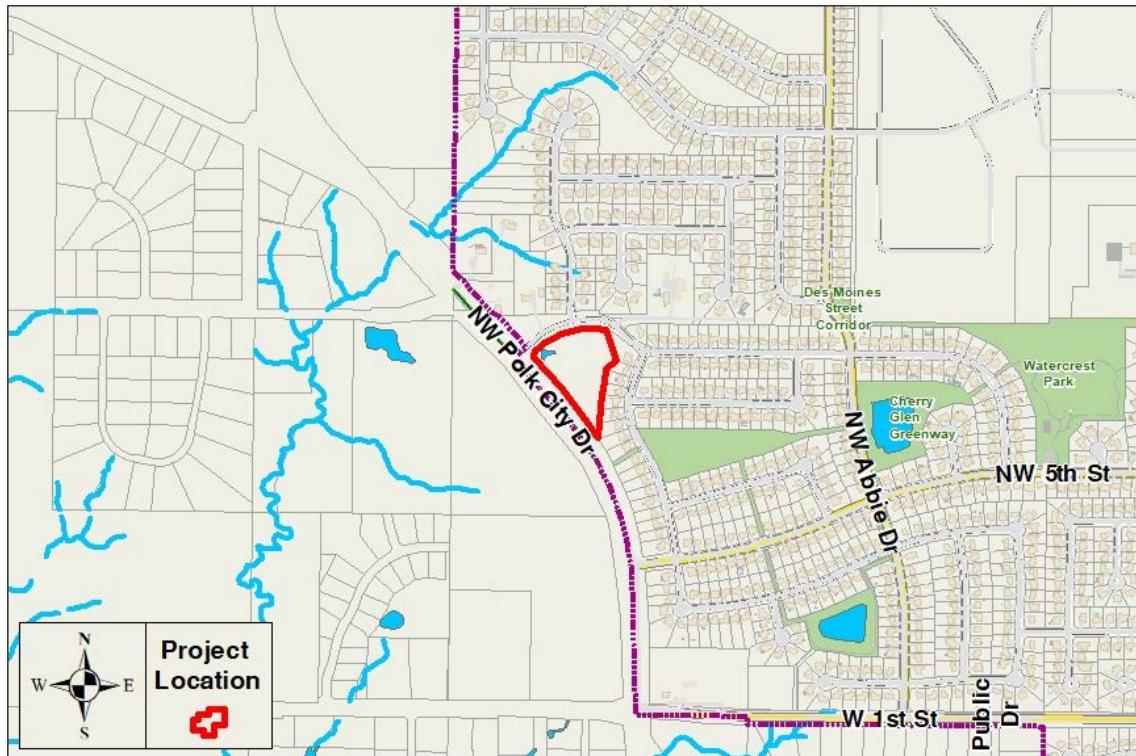
City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **PRK-22-006**

Project Name **Cherry Glen Ballfield**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Parks and Recreation

Contact Parks and Recreation Director

Type Improvement

Useful Life 20 years

Category Park Facilities

Project # PRK-23-001

Project Name Prairie Ridge Sports Complex Tennis Courts Overlay

Description

Overlay of eight tennis courts at the Prairie Ridge Sports Complex.

Justification

In 2007, the City and School District entered into a 28E Agreement to construct eight (8) tennis courts at the Prairie Ridge Sports Complex. The City committed \$200,000 towards the construction of the courts. As part of the mutual responsibilities regarding costs, future maintenance, which includes resurfacing, shall be jointly paid for by both parties on a 50-50 basis.

The eight (8) east tennis courts are now in need of an overlay as annual crack sealing and other maintenance measures are no longer allowing for a safe and competitive playing surface. During the annual review of the courts in the fall of 2022, City and School District staff agreed that the overlay of the eight (8) courts needs to be completed. The School District has funding set aside to complete the overlay in 2023.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------|------|------|------|----------------|
| Engineering-Construction Services | 65,000 | | | | | 65,000 |
| Construction Costs | 655,000 | | | | | 655,000 |
| Total | 720,000 | | | | | 720,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------|----------------|------|------|------|------|----------------|
| Capital Project Fund | 100,000 | | | | | 100,000 |
| G.O. Bonds | 260,000 | | | | | 260,000 |
| Private Contributions | 360,000 | | | | | 360,000 |
| Total | 720,000 | | | | | 720,000 |

Budget Impact/Other

None, as this project renovates a current park amenity.

2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PRK-23-001

Project Name Prairie Ridge Sports Complex Tennis Courts Overlay



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # SDW-00-001

Project Name Annual Sidewalk/Trail Construction Program

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Sidewalks/Trails

Description

The Annual Sidewalk/Trail Construction Program includes constructing pedestrian improvements adjacent to City streets:

- Pedestrian ramp improvements for ADA compliance, 2023 to 2027 - \$325,000/year (construction)
- Sidewalk and pedestrian ramp gaps along City property and 8-ft. sidewalk and 10-ft. trail panel replacements, 2023 to 2027 - \$150,000/year (construction)
- Development sidewalk oversizing, 2023 to 2027 - \$60,000/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.

The projects that are constructed annually from this program are designed and inspected in-house by Public Works Engineering Division staff.

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Construction Costs | 535,000 | 535,000 | 535,000 | 535,000 | 535,000 | 2,675,000 |
| Total | 535,000 | 535,000 | 535,000 | 535,000 | 535,000 | 2,675,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 210,000 | 210,000 | 210,000 | 210,000 | 210,000 | 1,050,000 |
| Road Use Tax Fund | 325,000 | 325,000 | 325,000 | 325,000 | 325,000 | 1,625,000 |
| Total | 535,000 | 535,000 | 535,000 | 535,000 | 535,000 | 2,675,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Maintenance Costs | 2,600 | 3,000 | 3,400 | 3,800 | 4,200 | 17,000 |
| Total | 2,600 | 3,000 | 3,400 | 3,800 | 4,200 | 17,000 |

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works
Contact City Engineer

Project # **SDW-00-001**

Project Name **Annual Sidewalk/Trail Construction Program**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # **SNS-00-001**
Project Name **Annual Sanitary Sewer Replacement Program**

| | |
|--------------------|------------------------------|
| Department | Sewer Utility |
| Contact | Municipal Utilities Director |
| Type | Improvement |
| Useful Life | 40 years |
| Category | Sanitary Sewers |

Description

Annual allocation of capital improvement funds for repair and replacement of sanitary sewers and structures and the Sewer Fund's portion of the neighborhood projects. Specific projects for 2023 to 2027 include:

- CIPP sanitary sewer lining: 2023 to 2027 - \$500,000/year even years
- Manhole major adjustments/repairs: 2023 to 2027 - \$25,000/year
- Sanitary sewer spot repairs: 2023 to 2027 - \$50,000/year
- Development sanitary sewer oversizing: 2023 - 2027 - \$30,000/year
- 1/3 NW Northlawn Area Utility Improvements (3 of 4 Phases Remaining): 2023 - \$600,000 (Phase 2 Construction) and \$15,000 (Phase 2 Construction Engineering) and \$25,000 (Phase 3 Design Engineering); 2024 - \$450,000 (Phase 3 Construction) and \$15,000 (Phase 3 Construction Engineering) and \$30,000 (Phase 4 Design Engineering); 2025 - \$520,000 (Phase 4 Construction) and \$25,000 (Phase 4 Construction Engineering)
- 1/3 Original Ankeny Area Utility Improvements (number of phases still TBD): 2024 - \$30,000 (Survey and Conceptual Design); 2025 - \$60,000 (Phase 1 Design Engineering); 2026 - \$600,000 (Phase 1 Construction) and \$30,000 (Phase 1 Construction Engineering) and \$30,000 (Phase 2 Design Engineering); 2027 - \$600,000 (Phase 2 Construction) and \$30,000 (Phase 2 Construction Engineering) and \$30,000 (Phase 3 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 we have approximately 230,000 LF of Vitrified Clay Pipe (VCP) within our system and even at the newly requested rate it will take 18 years to get all of our 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|
| Engineering-Design | 25,000 | 30,000 | 60,000 | 30,000 | 30,000 | 175,000 |
| Engineering-Construction Services | 15,000 | 15,000 | 25,000 | 30,000 | 30,000 | 115,000 |
| Construction Costs | 705,000 | 1,055,000 | 625,000 | 1,205,000 | 705,000 | 4,295,000 |
| Survey/Preliminary Analysis | | 30,000 | | | | 30,000 |
| Total | 745,000 | 1,130,000 | 710,000 | 1,265,000 | 765,000 | 4,615,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|------------------|----------------|------------------|----------------|------------------|
| Capital Project Fund | 45,000 | 430,000 | | 515,000 | | 900,000 |
| Sewer Fund | 700,000 | 700,000 | 710,000 | 750,000 | 765,000 | 3,625,000 |
| Total | 745,000 | 1,130,000 | 710,000 | 1,265,000 | 765,000 | 4,615,000 |

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 our WRA flow. These areas will be placed on our routine pipe cleaning and inspection programs at the end of the maintenance bond, reducing our 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.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|------|-------|
| Utilities | 100 | 100 | 100 | 100 | 100 | 500 |
| Total | 100 | 100 | 100 | 100 | 100 | 500 |

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Sewer Utility
Contact Municipal Utilities Director

Project # **SNS-00-001**

Project Name **Annual Sanitary Sewer Replacement Program**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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" 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|-----------|------|------|------------------|
| Engineering-Design | 152,000 | | | | | 152,000 |
| Engineering-Construction Services | | 152,000 | | | | 152,000 |
| Construction Costs | | | 1,521,000 | | | 1,521,000 |
| Land/ROW Acquisition | 100,000 | | | | | 100,000 |
| Total | 252,000 | 1,673,000 | | | | 1,925,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|----------------|------------------|------|------|------|------------------|
| Sewer Fund | 252,000 | 1,673,000 | | | | 1,925,000 |
| Total | 252,000 | 1,673,000 | | | | 1,925,000 |

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 our 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 we do not have the equipment to televise this size of active sewer.

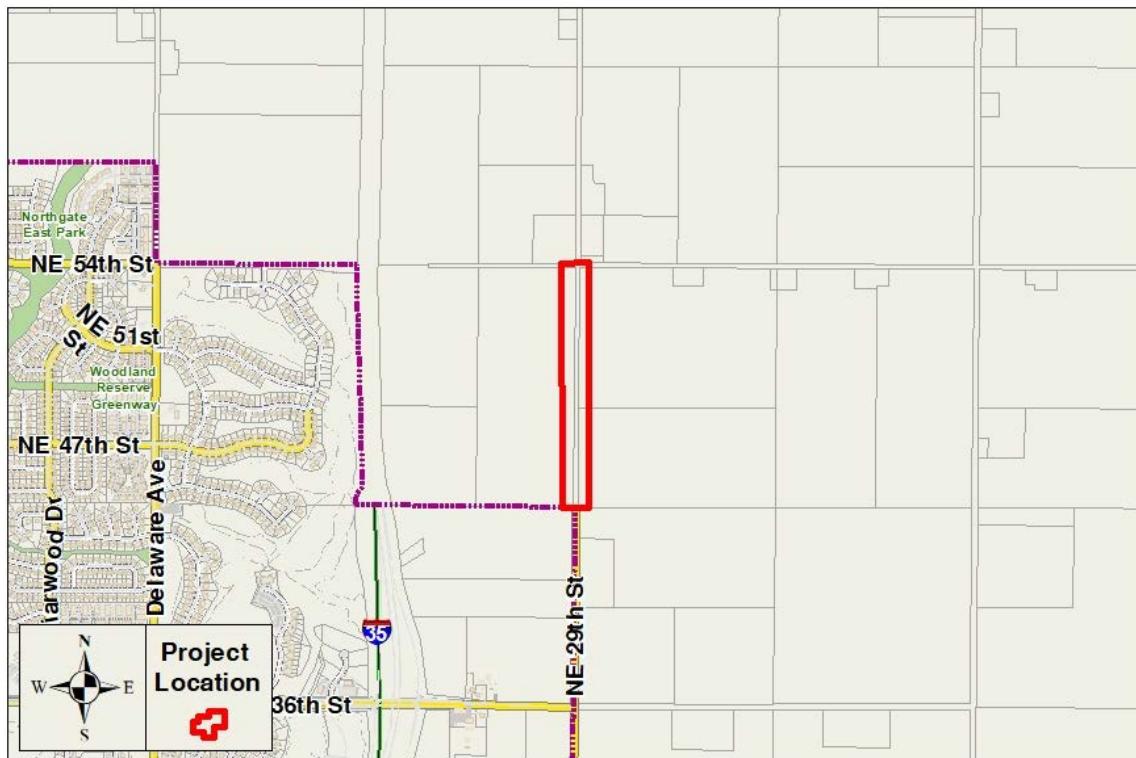
2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Sewer Utility
Contact Municipal Utilities Director

Project # SNS-12-001

Project Name Otter Creek Trunk Sewer-Phase 4



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Sewer Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-20-001

Project Name Four Mile Creek Trunk Sewer

Description

Install approximately 4,400 LF of 30" diameter sanitary trunk sewer from the existing 30" sanitary line at west side of Northgate Plat 3 on the north side of NE 54th Street to about 700' north of NE 62nd Street on the east side of North Ankeny Boulevard.

Justification

This project has become a need 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. The timing of this project is proposed to be moved up due to a planned annexation of all property between North Ankeny Boulevard and NE Delaware Avenue, south of NE 126th Avenue.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------|------|------|------|------------------|
| Engineering-Construction Services | 250,000 | | | | | 250,000 |
| Construction Costs | 2,500,000 | | | | | 2,500,000 |
| Land/ROW Acquisition | 15,000 | | | | | 15,000 |
| Total | 2,765,000 | | | | | 2,765,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------------------|------|------|------|------|------------------|
| Sewer Fund | 2,765,000 | | | | | 2,765,000 |
| Total | 2,765,000 | | | | | 2,765,000 |

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 our 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 we do not have the equipment to televise this size of active sewer.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # **SNS-20-001**

Project Name **Four Mile Creek Trunk Sewer**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------|------------------|------|------|------|------------------|
| Engineering-Construction Services | | 20,000 | | | | 20,000 |
| Construction Costs | | 1,110,000 | | | | 1,110,000 |
| Total | | 1,130,000 | | | | 1,130,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Sewer Fund | | 1,130,000 | | | | 1,130,000 |
| Total | | 1,130,000 | | | | 1,130,000 |

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. 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 25,100 gallons to fill and flush the new water main.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

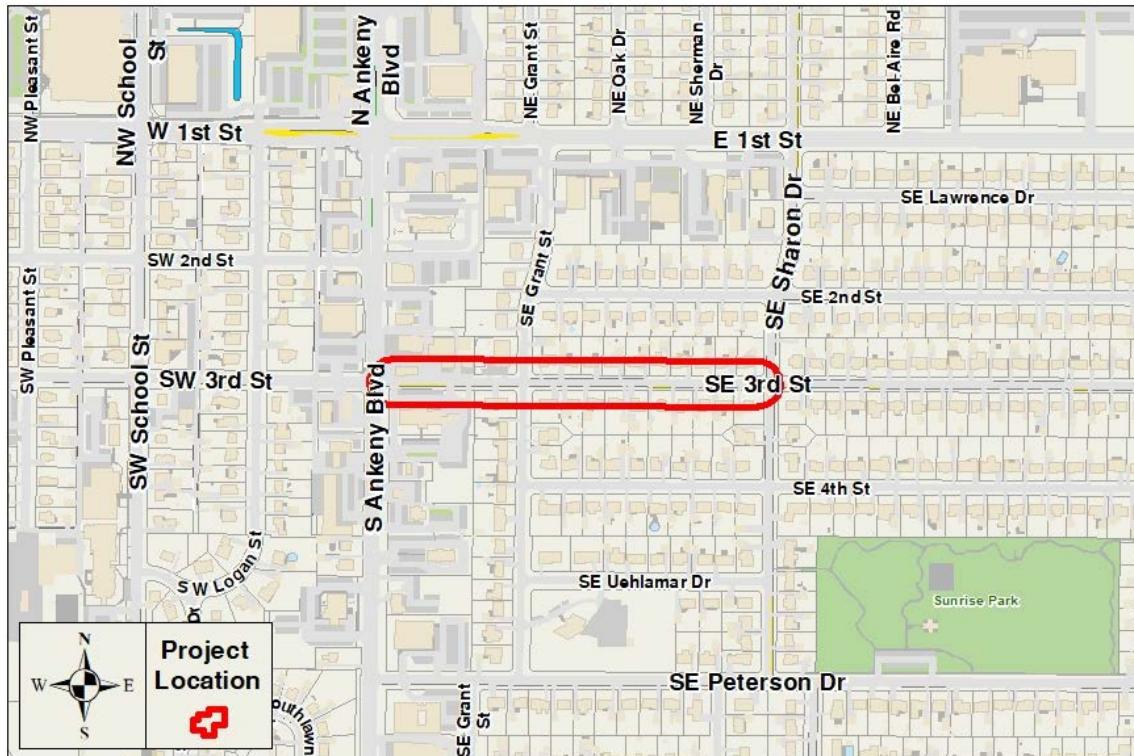
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-20-002

Project Name SE 3rd Street Trunk Sewer Extension



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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" sanitary sewer in 2023 and approximately 2,700 LF of 21" sanitary sewer in 2024. 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. We are proposing to pay the cost difference of upsizing from an 8" 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 FY 2022 but the development project didn't occur so this cost share is being proposed for FY 2023 in anticipation the development occurs next year. We splitting this project into two phases in 2023 and 2024 to account for the possibility that the land along this trunk line gets developed in phases similar to what we have shown.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|----------------|----------------|------|------|------|----------------|
| Construction Costs | 300,000 | 400,000 | | | | 700,000 |
| Total | 300,000 | 400,000 | | | | 700,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Capital Project Fund | 300,000 | 300,000 | | | | 600,000 |
| Sewer Fund | | 100,000 | | | | 100,000 |
| Total | 300,000 | 400,000 | | | | 700,000 |

Budget Impact/Other

N/A

2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

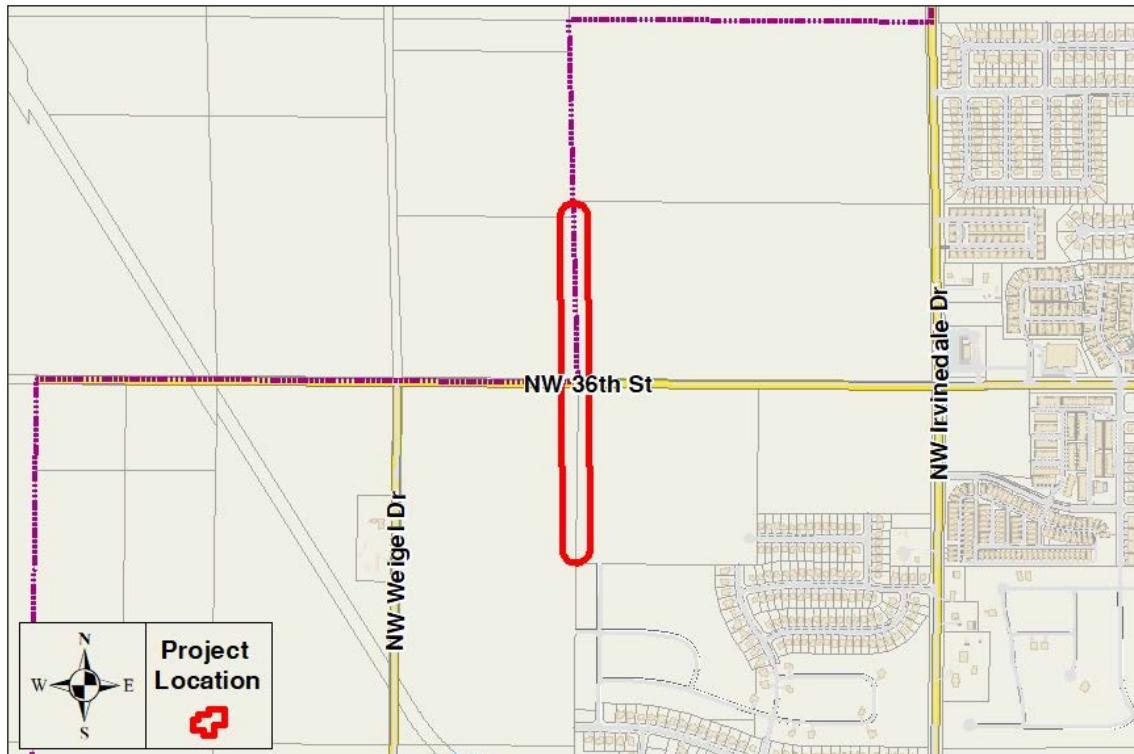
2023 *thru* 2027

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-22-001

Project Name Trestle Ridge Trunk Sewer Cost Share



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Sewer Utility

Contact Municipal Utilities Director

Type Replacement

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-22-002

Project Name NE Crestmoor Sanitary Sewer Replacement

Description

Installation of approximately 600 LF of 8" sanitary sewer along NE Crestmoor Place, between NE 7th Street and NE 9th Street. This replacement project will utilize open-cut construction within the ROW.

Justification

This project is necessary due to the deterioration of the existing vitrified clay pipe which is nearing its useful lifespan. Several locations within this segment of pipe have sags ranging between 30-50%. Replacement is necessary in order to eliminate future backups which could adversely impact upstream development. With the proposed alignment located within the pavement, half-street improvements (paving, curb and gutter) will also need to be replaced.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------|------|------|------|----------------|
| Engineering-Construction Services | 50,000 | | | | | 50,000 |
| Construction Costs | 470,000 | | | | | 470,000 |
| Total | 520,000 | | | | | 520,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|----------------|------|------|------|------|----------------|
| Sewer Fund | 520,000 | | | | | 520,000 |
| Total | 520,000 | | | | | 520,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

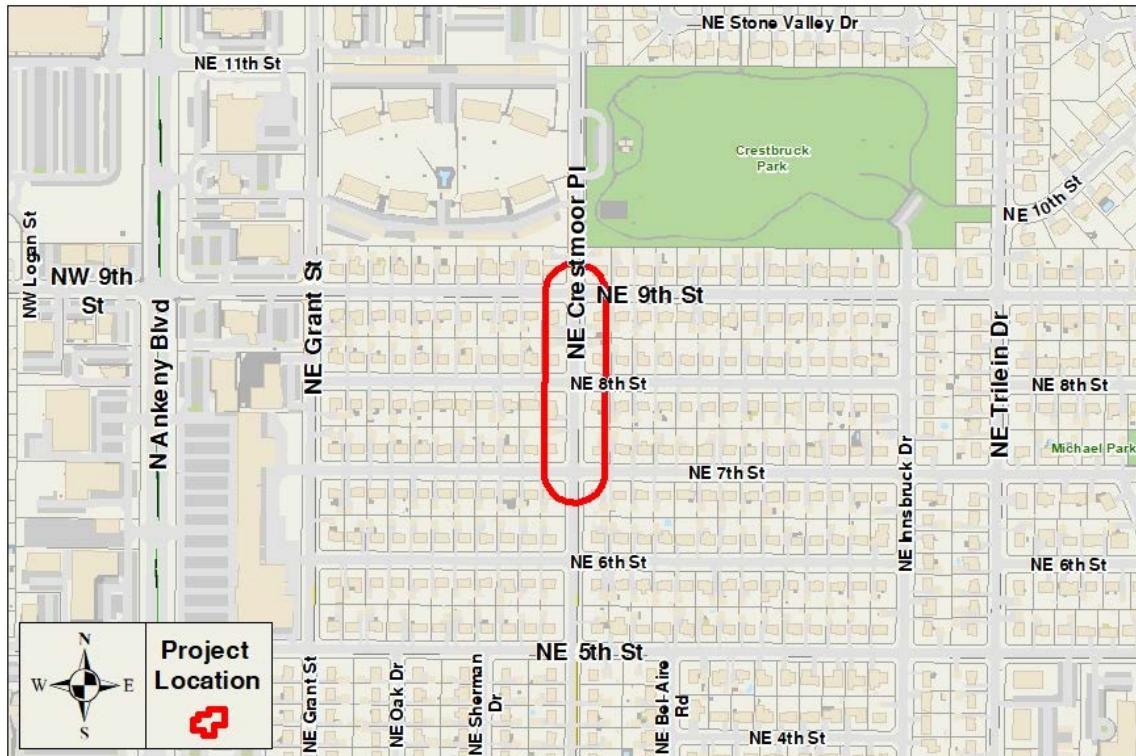
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-22-002

Project Name NE Crestmoor Sanitary Sewer Replacement



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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" diameter sanitary trunk sewer from the existing 24" 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|--------|----------------|------|------|----------------|
| Engineering-Design | | 90,000 | | | | 90,000 |
| Engineering-Construction Services | | | 75,000 | | | 75,000 |
| Construction Costs | | | 749,000 | | | 749,000 |
| Land/ROW Acquisition | | 11,000 | | | | 11,000 |
| Total | 101,000 | | 824,000 | | | 925,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|----------------|---------|----------------|------|------|----------------|
| Sewer Fund | | 101,000 | 824,000 | | | 925,000 |
| Total | 101,000 | | 824,000 | | | 925,000 |

Budget Impact/Other

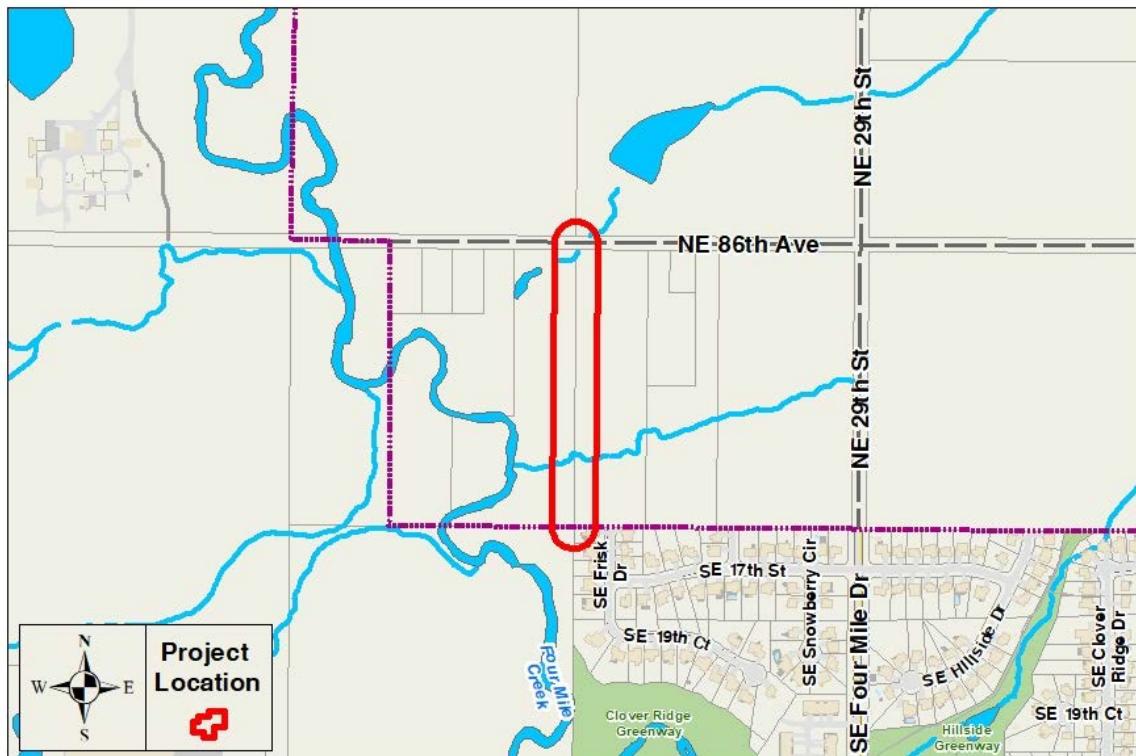
Since this is a new trunk sewer, it is not anticipated that there will be any maintenance required initially. It will be added to our routine pipe cleaning and inspection programs once the maintenance bond period has passed. However, being large diameter trunk sewer, this would have a lower frequency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

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Sewer Utility
Contact Municipal Utilities Director

Project # SNS-22-003
Project Name Clover Ridge Trunk Sewer Extension



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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" 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 them 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, we believe this 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------|------|----------------|------------------|------|------------------|
| Engineering-Design | | | 104,000 | | | 104,000 |
| Engineering-Construction Services | | | | 104,000 | | 104,000 |
| Construction Costs | | | | 1,042,000 | | 1,042,000 |
| Land/ROW Acquisition | | | 1,000 | | | 1,000 |
| Total | | | 105,000 | 1,146,000 | | 1,251,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------|------|----------------|------------------|------|------------------|
| Sewer Fund | | | 105,000 | 1,146,000 | | 1,251,000 |
| Total | | | 105,000 | 1,146,000 | | 1,251,000 |

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 our routine pipe cleaning and inspection programs once the maintenance bond period has passed.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

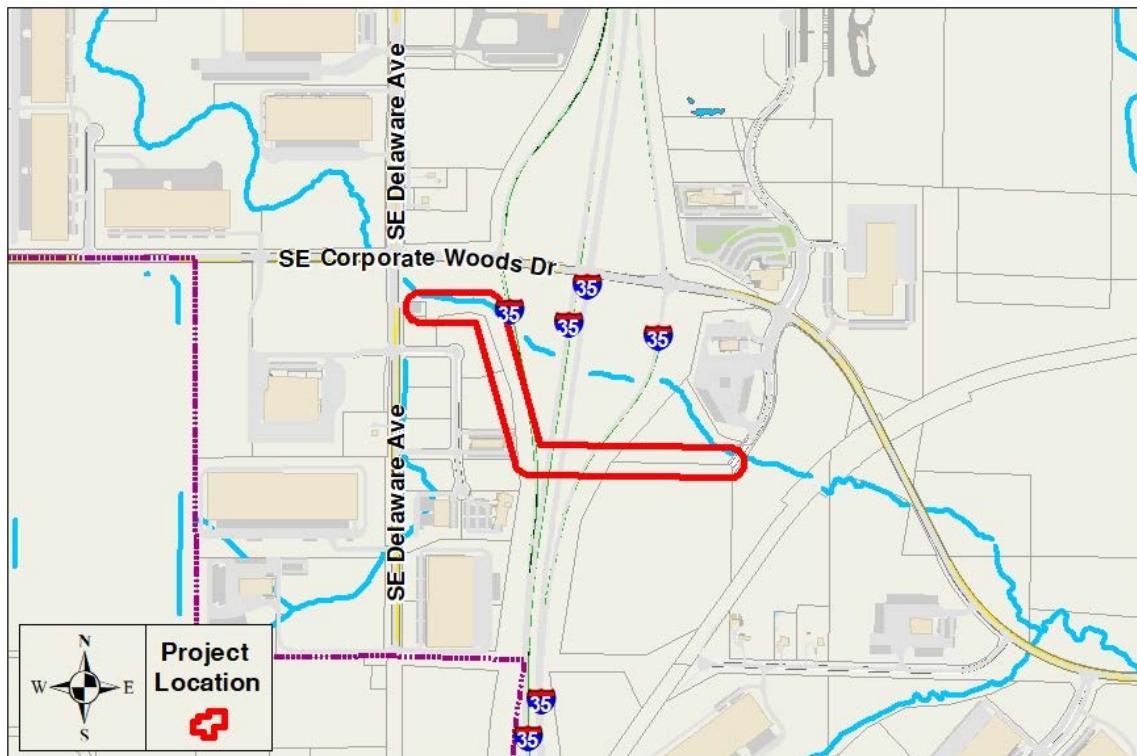
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # **SNS-22-004**

Project Name **Polk County Lift Station Decommissioning**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Sewer Utility

Contact Municipal Utilities Director

Type Replacement

Useful Life 40 years

Category Sanitary Sewers

Project # SNS-23-002

Project Name SW Irvinedale Drive Sanitary Sewer Replacement

Description

Installation of approximately 200 LF of 8" sanitary sewer west of SW Irvinedale 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------|------|------|--------|---------|---------|
| Engineering-Design | | | | 11,000 | | 11,000 |
| Engineering-Construction Services | | | | | 9,000 | 9,000 |
| Construction Costs | | | | | 104,000 | 104,000 |
| Land/ROW Acquisition | | | | | 1,000 | 1,000 |
| Total | | | | 11,000 | 114,000 | 125,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------|------|------|--------|---------|---------|
| Sewer Fund | | | | 11,000 | 114,000 | 125,000 |
| Total | | | | 11,000 | 114,000 | 125,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

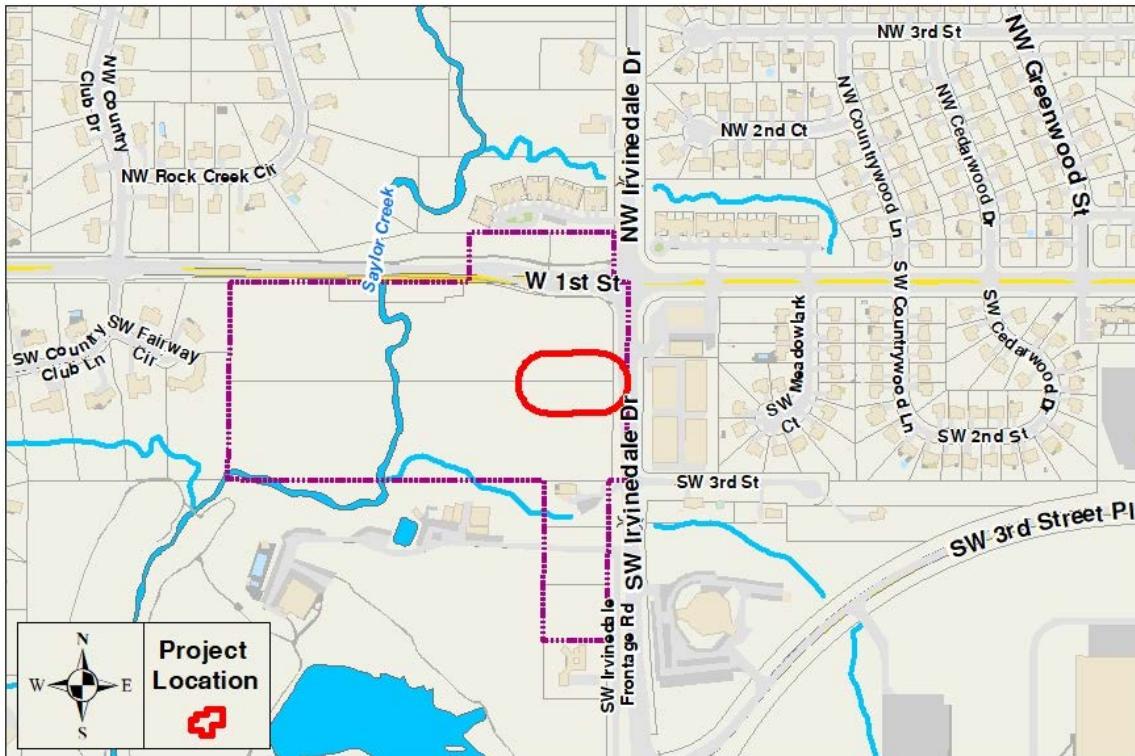
City of Ankeny, Iowa

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-23-002

Project Name SW Irvinedale Drive Sanitary Sewer Replacement



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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" diameter sanitary trunk sewer from the existing 30" sanitary line from the south side of NE 18th Street to about 2,800 feet north of NE 18th Street.

Justification

This sanitary sewer 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 our 2040 projected growth boundary. The construction cost and engineering construction services costs for this project are estimated to total \$1,807,000 in 2028.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|------|------|------|------|---------|---------|
| Engineering-Design | | | | | 193,000 | 193,000 |
| Total | | | | | 193,000 | 193,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Sewer Fund | | | | | 193,000 | 193,000 |
| Total | | | | | 193,000 | 193,000 |

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 our 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 we do not have the equipment to televise this size of active sewer.

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

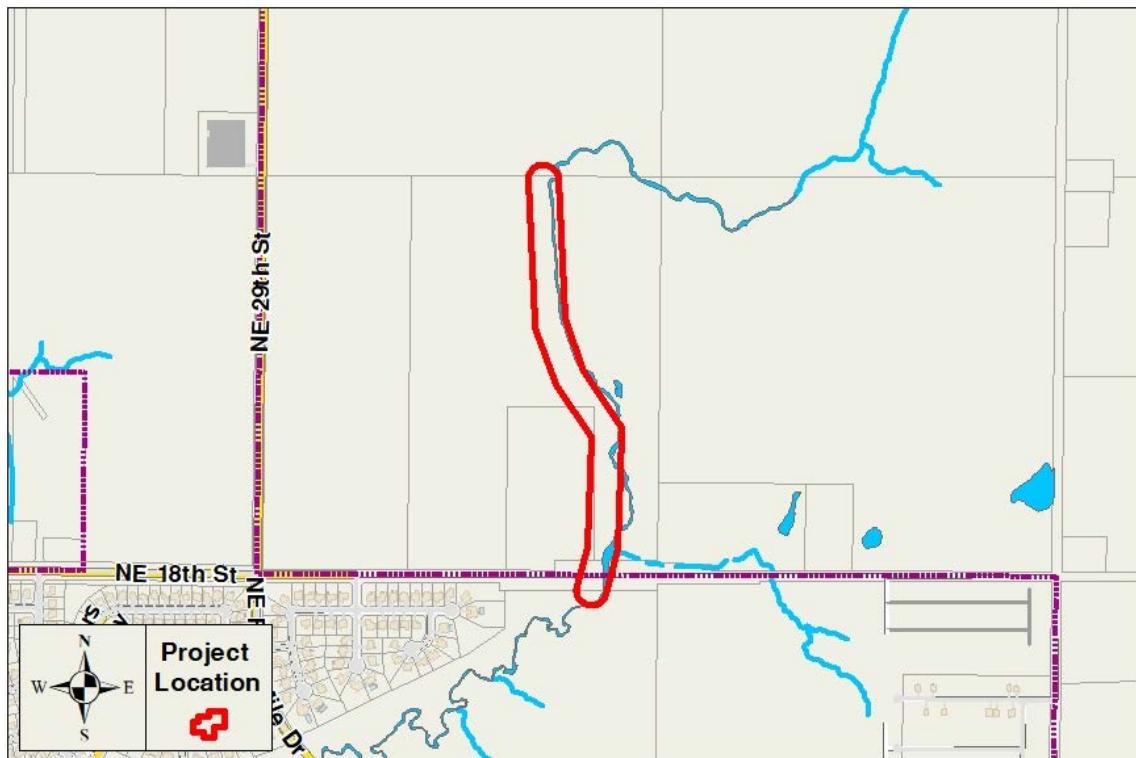
2023 *thru* 2027

Department Sewer Utility

Contact Municipal Utilities Director

Project # SNS-23-003

Project Name Deer Creek Trunk Sewer Extension



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # **STM-00-001**

Project Name **Annual Storm Water Replacement Program**

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Description

Annual allocation of capital improvement funds for repair and replacement of storm sewer, structures, channels, etc. Specific projects, listed in order of priority, for 2023 include:

1. 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 – \$160,000
2. Repairs to flow control structures/orifice plates in Renaissance Park, NE Briarwood Drive and the Public Services Building – \$50,000
3. Erosion repairs at SW Ordnance Road and SW State Street and NW Greenwood Street – \$40,000
4. Cost share to repair/replace a culvert under SW Ankeny Road – \$25,000
5. Survey, analysis and design of streambank repairs and bioretention cells located along Saylor Creek between Old Magazine Road and Vintage Greenway, with construction to occur in 2024 – \$130,000
6. Storm water conservation project to be designed and constructed in 2023 – \$15,000
7. Minor storm water management and storm sewer improvements and repairs (locations TBD) – \$30,000

Due to the increasing amount of stormwater infrastructure in the City, an increase in the cost of annual repairs and maintenance is expected in future years.

Justification

The purpose of these projects is to repair or improve stormwater infrastructure and associated areas to manage storm water more effectively, and stabilize and repair areas of erosion or structural issues. The open cut repairs will repair or replace failed or damaged storm sewers and/or structures. Repairs to flow controls will include replacement of failed orifice plates. The erosion repairs will include grading, stabilization, and permanent erosion controls. The streambank repairs and bioretention cell project will include clearing and grubbing in order to allow for survey work to be completed, and design of a project that will include stabilizing streambanks and repairs to the bioretention cells that required emergency repair work in 2021. 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Engineering-Design | 65,000 | 65,000 | 65,000 | 65,000 | 65,000 | 325,000 |
| Construction Costs | 385,000 | 385,000 | 385,000 | 385,000 | 385,000 | 1,925,000 |
| Total | 450,000 | 450,000 | 450,000 | 450,000 | 450,000 | 2,250,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Capital Project Fund | 100,000 | 50,000 | 50,000 | | | 200,000 |
| Storm Water Fund | 350,000 | 400,000 | 400,000 | 450,000 | 450,000 | 2,050,000 |
| Total | 450,000 | 450,000 | 450,000 | 450,000 | 450,000 | 2,250,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|----------------|----------------|----------------|----------------|----------------|
| Maintenance Costs | -8,000 | -10,000 | -10,000 | -12,000 | -12,000 | -52,000 |
| Total | -8,000 | -10,000 | -10,000 | -12,000 | -12,000 | -52,000 |

2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Storm Water Utility

Contact City Engineer

Project # **STM-00-001**

Project Name **Annual Storm Water Replacement Program**



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2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|-------------|---------------|
| Maintenance Costs | | | | -500 | -500 | -1,000 |
| Total | | | | -500 | -500 | -1,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

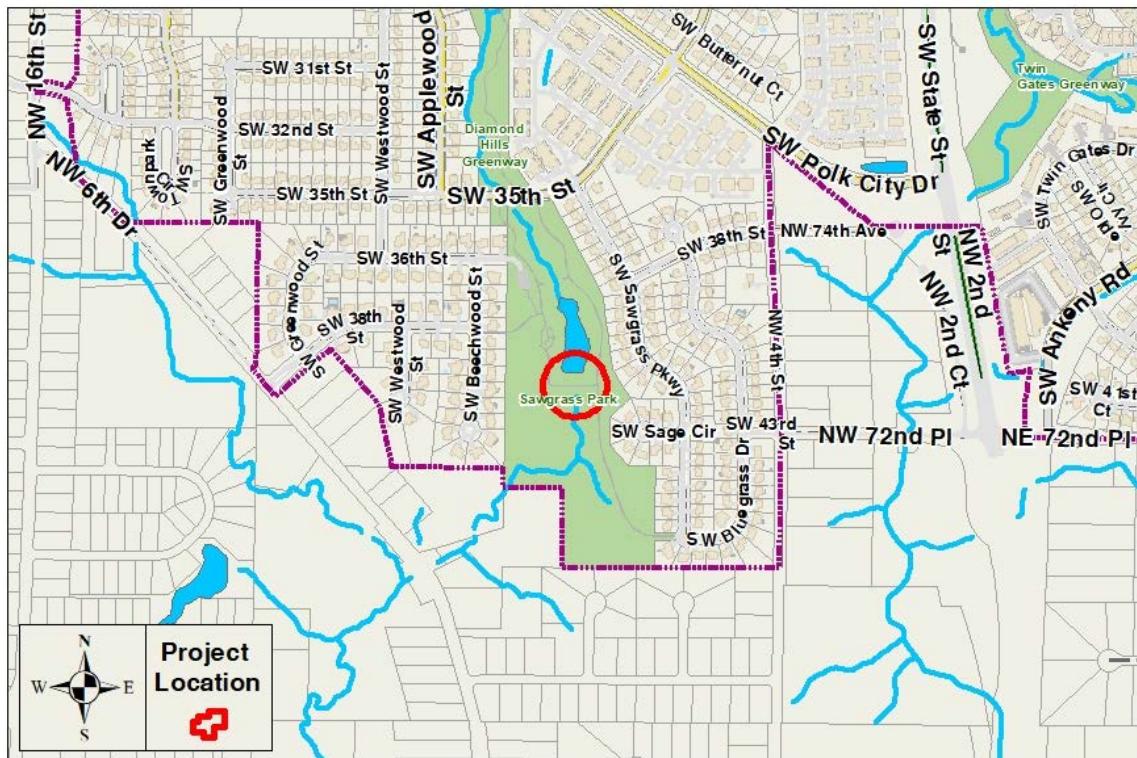
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-19-004**

Project Name **Sawgrass Park Dam Improvements**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # **STM-20-001**

Project Name **Four Mile Creek Channel Stabilization-NE 47th St**

Description

Improvements to address safety, capacity, functionality, sedimentation, erosion, and associated issues within Four Mile Creek between NE 47th Street and NE 54th Street. The improvements may include clearing and grubbing to remove flow impediments and significant invasive tree growth; targeted reshaping of the channel to establish stable slopes; 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 a horseshoe meander, and remove debris and invasive vegetation which have caused safety and functionality concerns. The project costs are shown for the permitting and final design in 2023 and 2024, and construction scheduled in 2024 and 2025. This project is included in a Polk County led NRCS WFPO study to be completed early 2023, which is expected to result in 75% NRCS funding for construction observation and 50% NRCS funding for construction of the project.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|---------------|----------------|----------------|-------------|-------------|------------------|
| Engineering-Design | 65,000 | | | | | 65,000 |
| Engineering-Construction Services | | 55,000 | 40,000 | | | 95,000 |
| Construction Costs | | 500,000 | 400,000 | | | 900,000 |
| Total | 65,000 | 555,000 | 440,000 | | | 1,060,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------------------|---------------|----------------|----------------|-------------|-------------|------------------|
| G.O. Bonds - Storm Water Abated | | 275,000 | 210,000 | | | 485,000 |
| Other Grants | | 280,000 | 230,000 | | | 510,000 |
| Storm Water Fund | 65,000 | | | | | 65,000 |
| Total | 65,000 | 555,000 | 440,000 | | | 1,060,000 |

Budget Impact/Other

Improving the channel will reduce the annual maintenance costs for the City as the Public Works Department will not have to perform spot repairs within the existing channel to protect infrastructure.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|---------------|---------------|---------------|
| Maintenance Costs | | | -750 | -1,500 | -1,500 | -3,750 |
| Total | | | -750 | -1,500 | -1,500 | -3,750 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

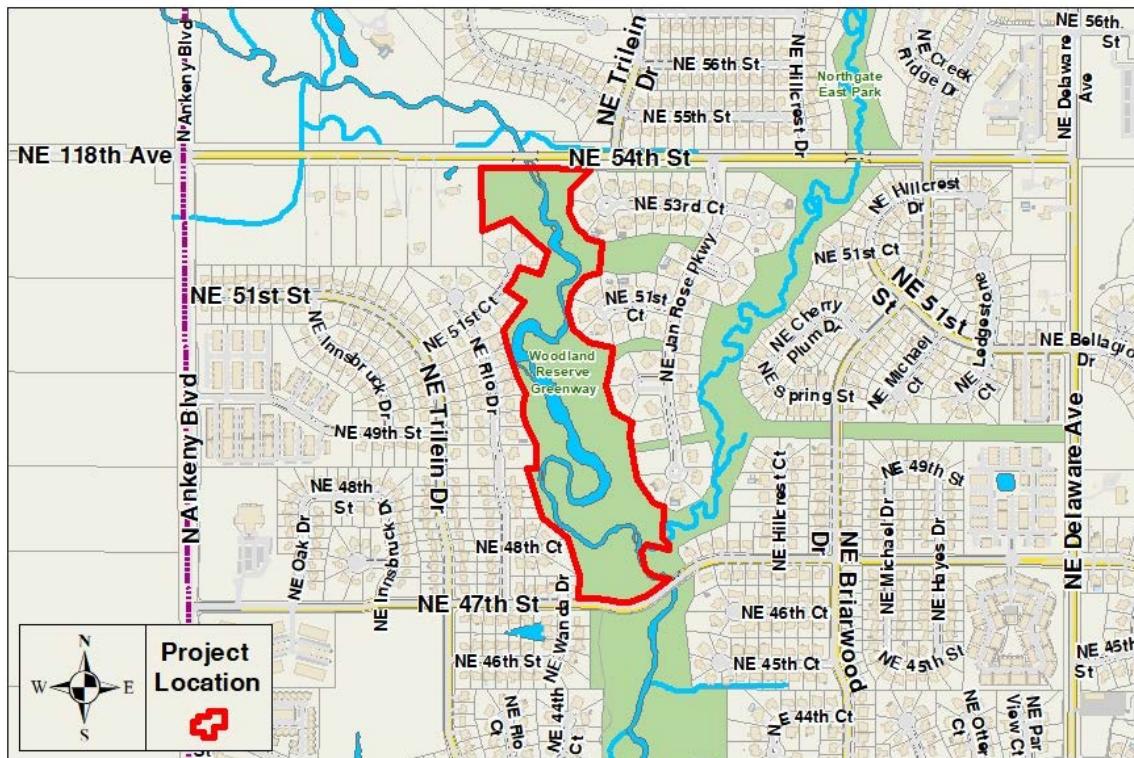
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-20-001

Project Name **Four Mile Creek Channel Stabilization-NE 47th St**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # **STM-20-002**

Project Name **High Trestle Trail Channel 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 the existing drainage channel on the west/south sides of the High Trestle Trail from north of West 1st Street to NW 18th Street. The improvements will include clearing and grubbing to remove flow impediments; reshaping the channel to establish stable slopes; addressing diminished flow capacity; providing toe protection; and establishing native/wetland plantings.

Justification

The purpose of this project is to stabilize the channel, re-establish flow capacity, and remediate drainage and erosion issues which have caused safety, health and infrastructure concerns. The survey, concept plan and design work were completed in 2021 and 2022 with construction of the project scheduled for 2023 and 2024. This project will be included with the Municipal Utilities Department's High Trestle Trail Water Transmission Main project which is proposed in the same corridor and on the same schedule.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|-------------|-------------|-------------|----------------|
| Engineering-Construction Services | 40,000 | 20,000 | | | | 60,000 |
| Construction Costs | 440,000 | 290,000 | | | | 730,000 |
| Total | 480,000 | 310,000 | | | | 790,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Capital Project Fund | 165,000 | | | | | 165,000 |
| G.O. Bonds - Storm Water Abated | | 310,000 | | | | 310,000 |
| Storm Water Fund | 315,000 | | | | | 315,000 |
| Total | 480,000 | 310,000 | | | | 790,000 |

Budget Impact/Other

Improving the channel will reduce the annual maintenance costs for the City because the Public Works Department will not have to do spot repairs within the existing channel and storm water will not be standing or within public infrastructure.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|---------------|---------------|---------------|----------------|
| Maintenance Costs | | -2,500 | -4,500 | -4,500 | -4,500 | -16,000 |
| Total | | -2,500 | -4,500 | -4,500 | -4,500 | -16,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

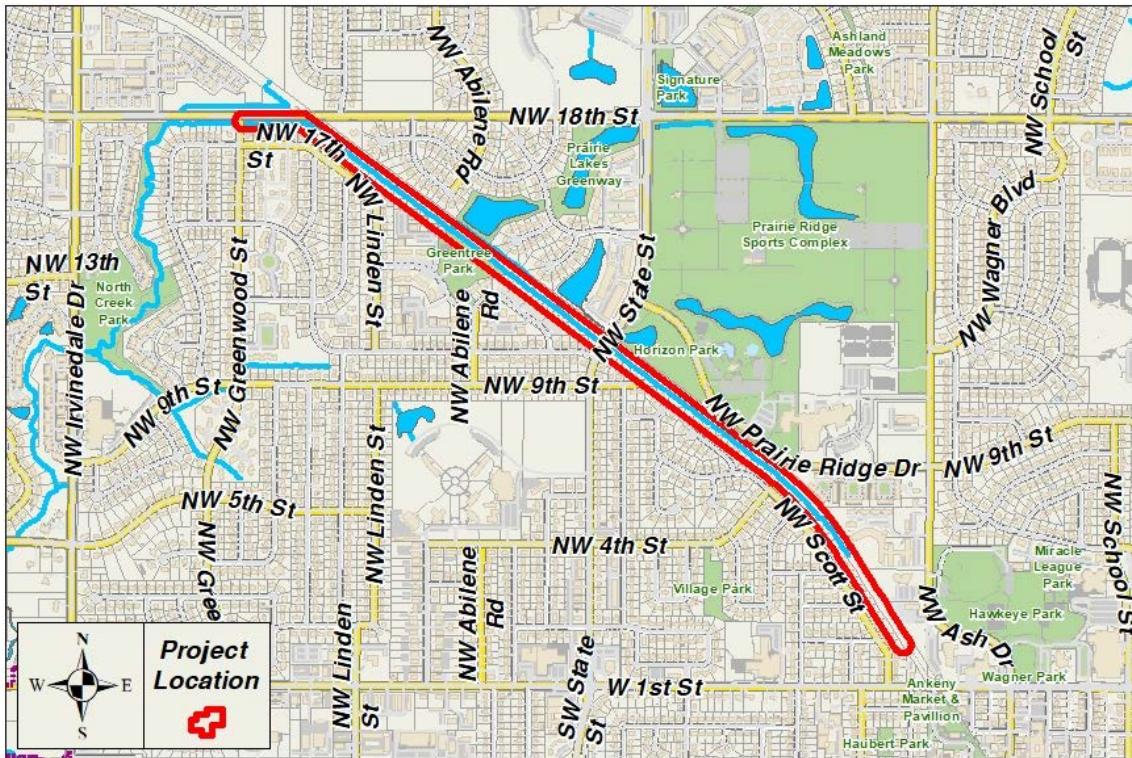
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-20-002**

Project Name **High Trestle Trail Channel Stabilization**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # STM-20-004

Project Name Tributary to Four Mile Creek Channel 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 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, reshaping the channel to establish stable slopes, reconnection to the floodplain, reestablishing the channel bottom, providing toe protection, repairing gully erosion, repairing undermined outlet structures, repairing and modifying an existing storm water detention basin, and 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, 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 2023 and 2024, and construction scheduled in 2024 and 2025. This project is included in a Polk County led NRCS WFPO study to be completed early 2023, which is expected to result in 75% NRCS funding for construction observation and 50% NRCS funding for construction of the project.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|------------------|-------------|-------------|------------------|
| Engineering-Design | 250,000 | | | | | 250,000 |
| Engineering-Construction Services | | 165,000 | 110,000 | | | 275,000 |
| Construction Costs | | 1,110,000 | 1,110,000 | | | 2,220,000 |
| Total | 250,000 | 1,275,000 | 1,220,000 | | | 2,745,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds - Storm Water Abated | 250,000 | 235,000 | 180,000 | | | 665,000 |
| Other Grants | | 640,000 | 640,000 | | | 1,280,000 |
| Storm Water Fund | | 400,000 | 400,000 | | | 800,000 |
| Total | 250,000 | 1,275,000 | 1,220,000 | | | 2,745,000 |

Budget Impact/Other

Improving the channel will reduce the annual maintenance costs for the City because the Public Works Department will not have to do repairs within the existing channel to protect infrastructure.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|---------------|---------------|---------------|----------------|
| Maintenance Costs | | | -2,000 | -4,000 | -4,000 | -10,000 |
| Total | | | -2,000 | -4,000 | -4,000 | -10,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

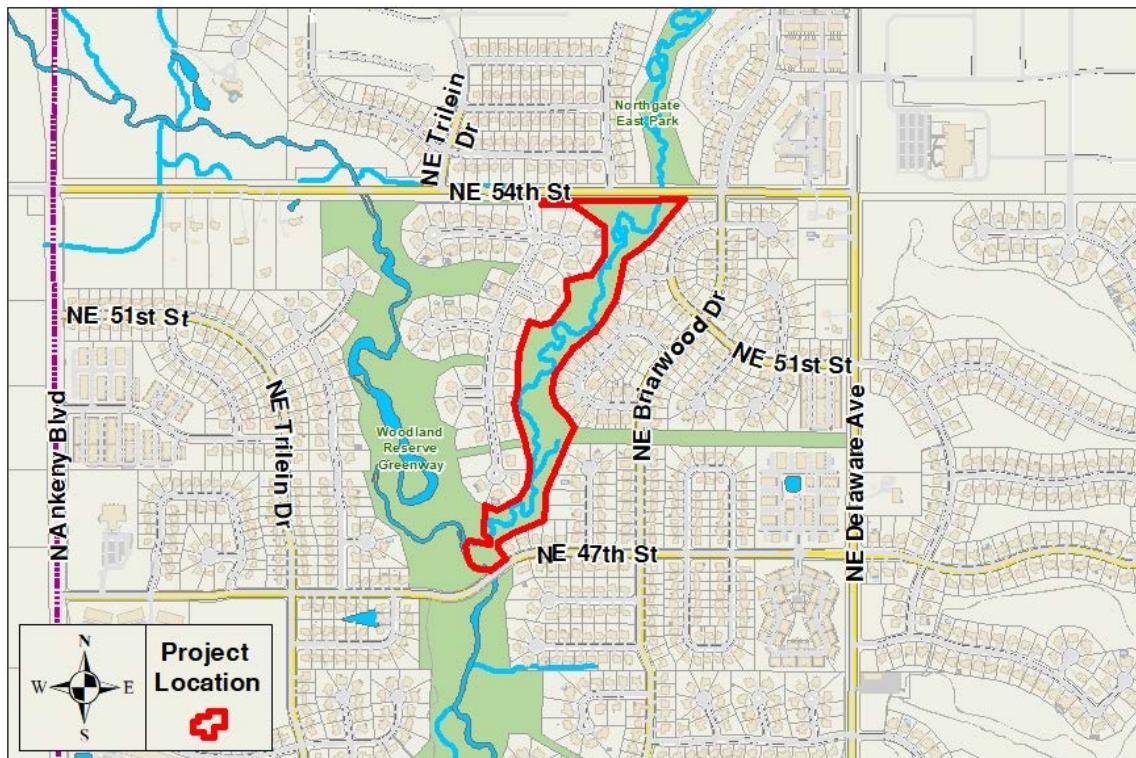
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-20-004**

Project Name **Tributary to Four Mile Creek Channel Stabilization**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Storm Water

Project # **STM-20-005**

Project Name **Westlawn Area Storm Sewer Improvements**

Description

Construction of storm sewer infrastructure improvements in underserved sections of the Westlawn area, which is located south of West 1st Street, north of SW Ordnance Road, east of SW State Street, and west of SW Des Moines Street. The proposed storm sewer improvements will include footing drain/sump collector lines, storm sewer pipes, intakes, utility accesses, and related pavement removal and replacement.

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 concept design in 2025, design work in 2026, and construction of the project in 2027 and 2028 (cost estimate = \$1,600,000).

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Engineering-Design | | | 150,000 | 250,000 | | 400,000 |
| Engineering-Construction Services | | | | | 40,000 | 40,000 |
| Construction Costs | | | | 1,600,000 | 1,600,000 | |
| Total | | | 150,000 | 250,000 | 1,640,000 | 2,040,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| G.O. Bonds - Storm Water Abated | | | 150,000 | 250,000 | 1,240,000 | 1,640,000 |
| Storm Water Fund | | | | | 400,000 | 400,000 |
| Total | | | 150,000 | 250,000 | 1,640,000 | 2,040,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-20-005**

Project Name **Westlawn Area Storm Sewer Improvements**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 East 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 South 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-draining 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. 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 construction costs include approximately \$170,000 of water main improvements.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|-------------|------------------|-------------|-------------|-------------|------------------|
| Engineering-Construction Services | | 25,000 | | | | 25,000 |
| Construction Costs | | 1,250,000 | | | | 1,250,000 |
| Total | | 1,275,000 | | | | 1,275,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds - Storm Water Abated | | 1,275,000 | | | | 1,275,000 |
| Total | | 1,275,000 | | | | 1,275,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|---------------|---------------|---------------|---------------|
| Maintenance Costs | | -1,000 | -2,000 | -2,000 | -2,000 | -7,000 |
| Total | | -1,000 | -2,000 | -2,000 | -2,000 | -7,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

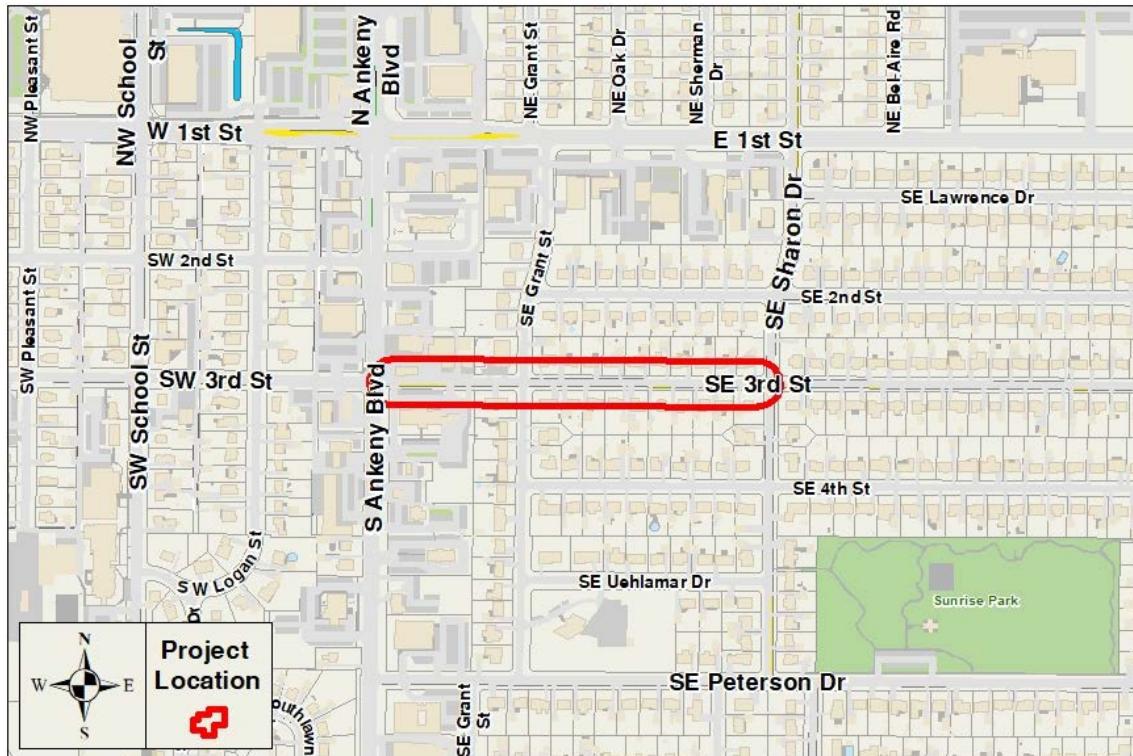
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-20-006**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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 East 1st Street, north of SE Peterson Drive, east of South 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 2025. 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 2026.

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 2024 through 2025 and construction of the projects in 2025 through 2026. The construction cost estimate for 2025 includes \$100,000 of water main replacement (upgrade existing 4" to new 8") along SE 4th Street.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|------------------|-------------|-------------|------------------|
| Engineering-Design | | 180,000 | | | | 180,000 |
| Engineering-Construction Services | | | 210,000 | 30,000 | | 240,000 |
| Construction Costs | | | 1,170,000 | 1,300,000 | | 2,470,000 |
| Total | 180,000 | 1,380,000 | 1,330,000 | | | 2,890,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------------------|----------------|------------------|------------------|-------------|-------------|------------------|
| G.O. Bonds - Storm Water Abated | | 180,000 | 1,380,000 | 930,000 | | 2,490,000 |
| Storm Water Fund | | | | 400,000 | | 400,000 |
| Total | 180,000 | 1,380,000 | 1,330,000 | | | 2,890,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|---------------|---------------|---------------|
| Maintenance Costs | | | | -1,000 | -2,000 | -3,000 |
| Total | | | | -1,000 | -2,000 | -3,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

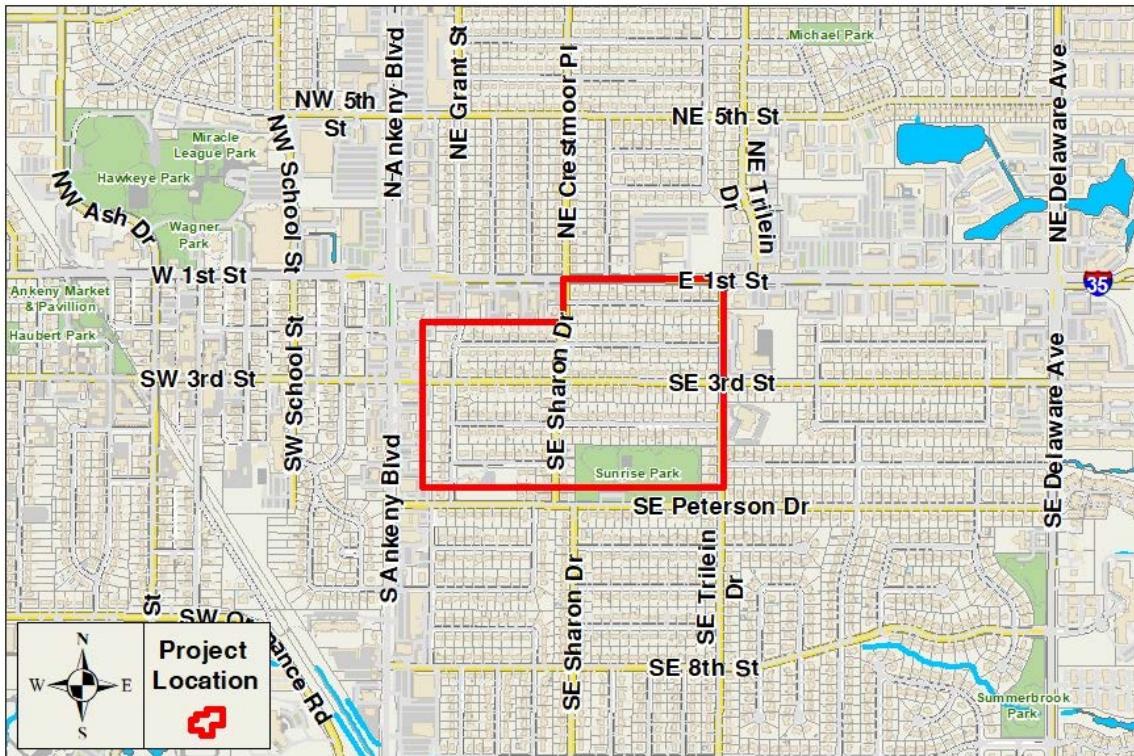
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-21-001**

Project Name **SE 3rd St Area Collection Storm Sewer Improvements**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Storm Water

Project # STM-21-002

Project Name Westwinds Storm Sewer Extension

Description

The project will include extending an existing storm sewer in the Westwinds neighborhood, between 2012 and 2016 SW Westwinds Drive, in order to outlet the stormwater flow near the base of the channel.

Justification

Extending the existing storm sewer outlet and repairing erosion at the project site will help reduce future erosion issues.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|----------------|------|------|------|------|----------------|
| Engineering-Design | 35,000 | | | | | 35,000 |
| Construction Costs | 160,000 | | | | | 160,000 |
| Land/ROW Acquisition | 15,000 | | | | | 15,000 |
| Total | 210,000 | | | | | 210,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|----------------|------|------|------|------|----------------|
| Capital Project Fund | 190,000 | | | | | 190,000 |
| Storm Water Fund | 20,000 | | | | | 20,000 |
| Total | 210,000 | | | | | 210,000 |

Budget Impact/Other

Extending the storm sewer will reduce Public Works staff time that is being spent on regularly reviewing this issue, and it will reduce the potential for future stream bank erosion at this location.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|---------------|---------------|---------------|---------------|---------------|
| Maintenance Costs | | -1,000 | -1,000 | -1,000 | -1,000 | -4,000 |
| Total | | -1,000 | -1,000 | -1,000 | -1,000 | -4,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

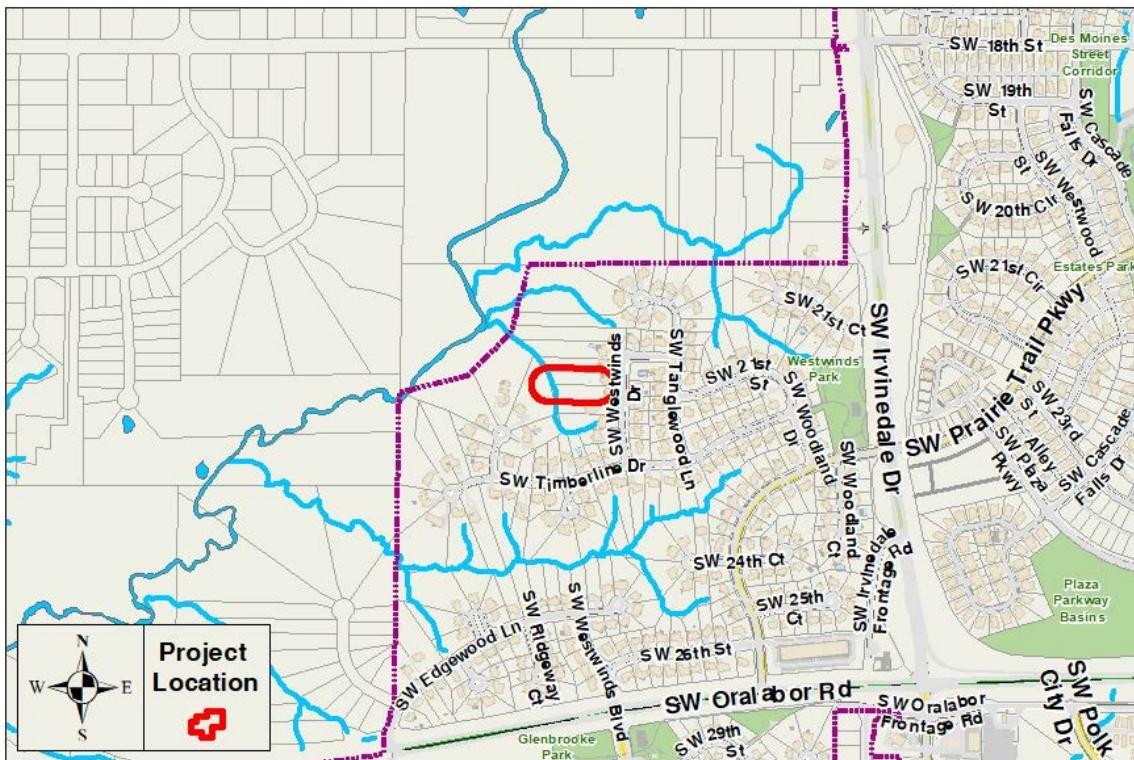
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-21-002

Project Name **Westwinds Storm Sewer Extension**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Storm Water

Project # **STM-22-001**

Project Name **SE Creekview Drive Wetland**

Description

The proposed project will use an undevelopable area for a new wetland on the east side of SE Creekview Drive, south of East 1st Street. The wetland will be designed to store approximately 30 acre-feet of stormwater, and treat approximately 250 acres of drainage area. The improvements will include grading, native vegetation, and flow control devices. The wetland design will be similar to other existing wetlands located within the City.

Justification

The current property owner is interested in donating the land to the City for the construction of a wetland, as this area of land cannot be developed. The location is near other City property and has a 422-acre drainage area of which approximately 250 acres will be treated through the wetland. The wetland will be designed in 2022 through 2023 and constructed in 2023 through 2024. The funding sources for the design and construction of project include grants from the Iowa Finance Authority, IDALS, and Polk County.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|-------------|-------------|-------------|-------------|------------------|
| Engineering-Construction Services | 200,000 | | | | | 200,000 |
| Construction Costs | 1,300,000 | | | | | 1,300,000 |
| Total | 1,500,000 | | | | | 1,500,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Other Grants | 1,350,000 | | | | | 1,350,000 |
| Private Contributions | 150,000 | | | | | 150,000 |
| Total | 1,500,000 | | | | | 1,500,000 |

Budget Impact/Other

After construction is complete, the City will be responsible for maintaining the wetland. It is expected to cost approximately \$5,000 to \$10,000 every 5 years to perform maintenance on the wetland.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Maintenance Costs | | | | | 5,000 | 5,000 |
| Total | | | | | 5,000 | 5,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

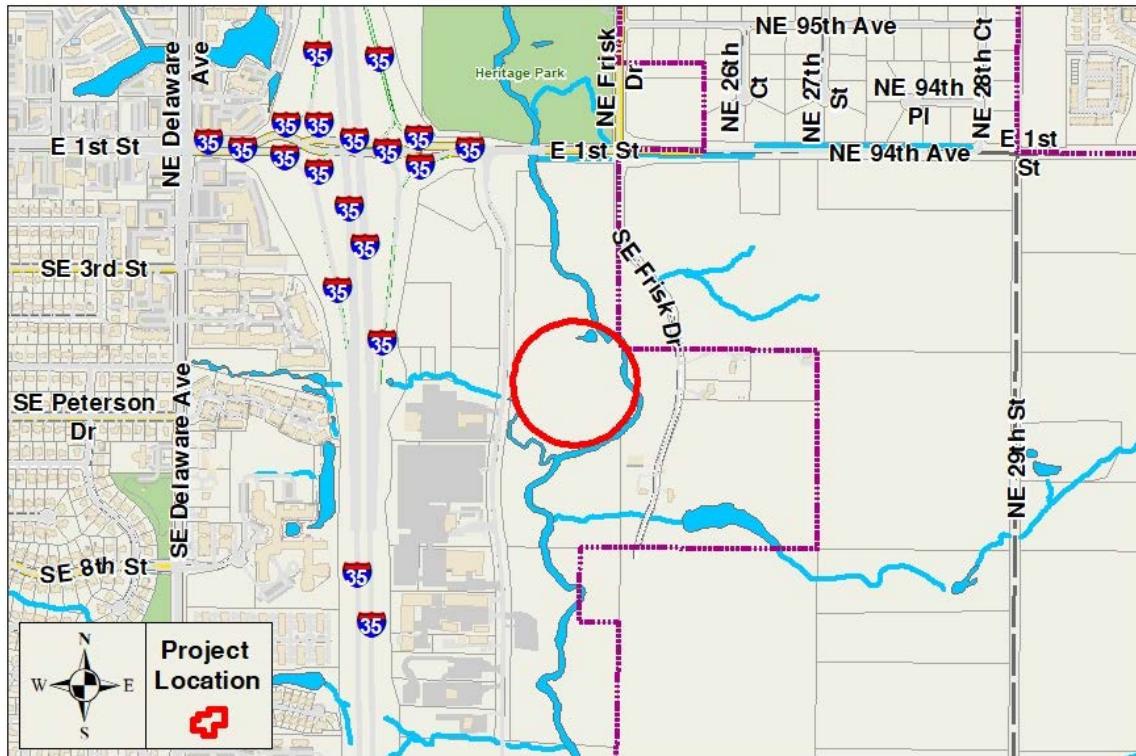
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-22-001**

Project Name **SE Creekview Drive Wetland**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # **STM-22-002**

Project Name **Diamond Hills Greenway Stream Stabilization**

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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

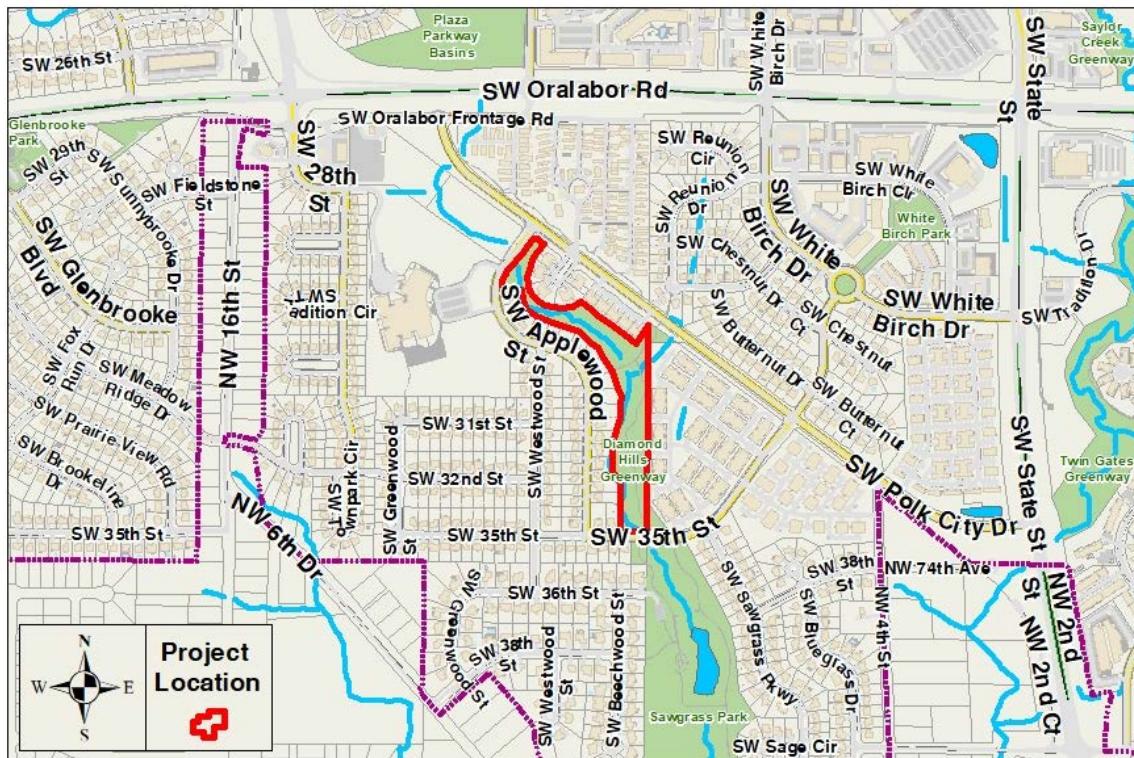
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-22-002

Project Name **Diamond Hills Greenway Stream Stabilization**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 East 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 2026, permitting to be completed in 2026 through 2027, final design in 2027, and construction in 2028. 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 \$1,320,000.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Engineering-Design | | | | | 150,000 | 150,000 |
| Survey/Preliminary Analysis | | | | 160,000 | | 160,000 |
| Total | | | | 160,000 | 150,000 | 310,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

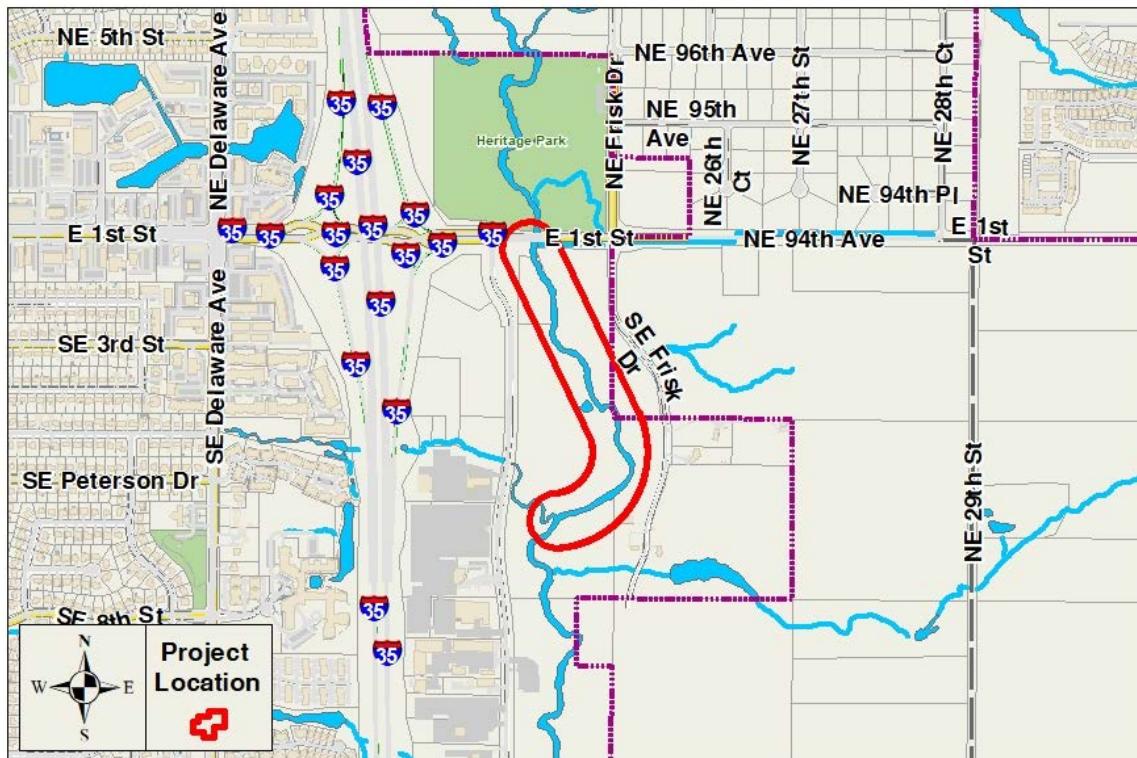
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-22-003**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # **STM-22-004**

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

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 2026, permitting to be completed in 2026 through 2027, final design in 2027, and construction in 2028. 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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Engineering-Design | | | | | 260,000 | 260,000 |
| Survey/Preliminary Analysis | | | | 270,000 | | 270,000 |
| Total | | | 270,000 | | 260,000 | 530,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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.

2023 - 2027 Capital Improvement Program

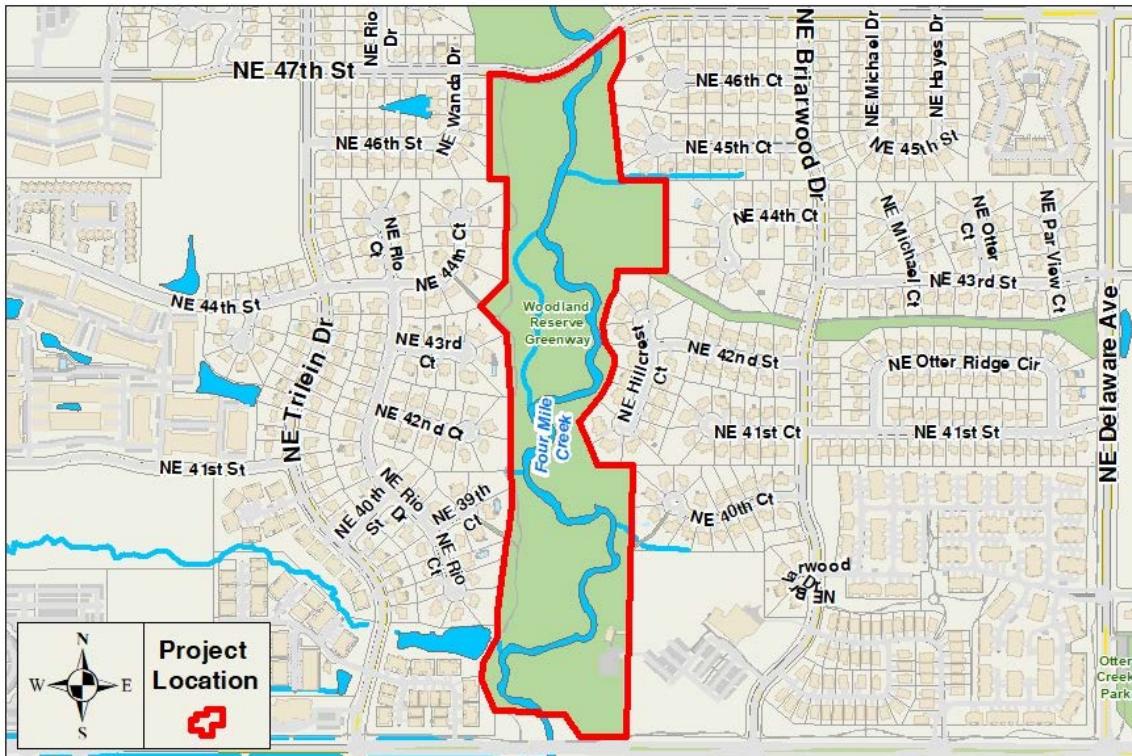
2023 *thru* 2027

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**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Project # STM-22-005

Project Name Saylor Creek Tributary Channel Improvements

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 2027; and the final design and permitting in 2028. Construction (including construction engineering) is anticipated to occur in 2029, and the estimated construction cost is \$3,400,000.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------------------|------|------|------|------|---------|---------|
| Survey/Preliminary Analysis | | | | | 190,000 | 190,000 |
| Total | | | | | 190,000 | 190,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds - Storm Water Abated | | | | | 190,000 | 190,000 |
| Total | | | | | 190,000 | 190,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-22-005**

Project Name **Saylor Creek Tributary Channel Improvements**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 2026, permitting to be completed in 2026 through 2027, final design in 2027, and construction in 2028. 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 \$770,000.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Engineering-Design | | | | | 90,000 | 90,000 |
| Survey/Preliminary Analysis | | | | 95,000 | | 95,000 |
| Total | | | | 95,000 | 90,000 | 185,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

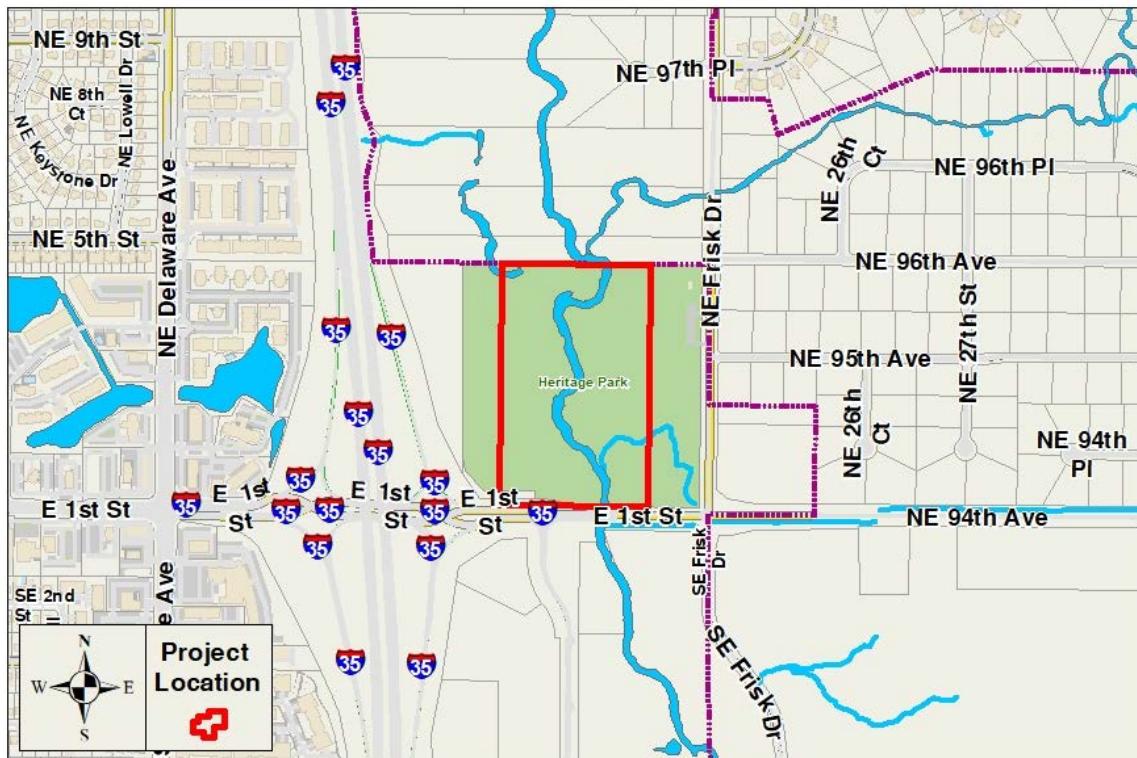
City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # **STM-23-001**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

| | |
|--------------|---|
| Project # | STR-00-001 |
| Project Name | Annual PCC Street Patching Program |

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

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 project 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 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 (3 of 4 Phases Remaining): 2023 - \$600,000 (Phase 2 Construction) and \$15,000 (Phase 2 Construction Engineering) and \$25,000 (Phase 3 Design Engineering); 2024 - \$450,000 (Phase 3 Construction) and \$15,000 (Phase 3 Construction Engineering) and \$30,000 (Phase 4 Design Engineering); 2025 - \$520,000 (Phase 4 Construction) and \$25,000 (Phase 4 Construction Engineering)
- 1/3 Original Ankeny Area Utility Improvements (number of phases still TBD): 2024 - \$30,000 (Survey and Conceptual Design); 2025 - \$60,000 (Phase 1 Design Engineering); 2026 - \$600,000 (Phase 1 Construction) and \$30,000 (Phase 1 Construction Engineering) and \$30,000 (Phase 2 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 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 project included within the table below assumes a \$850,000 patching project in 2023 with incremental \$50,000 increases each year to \$1,050,000 in 2027.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Engineering-Design | 25,000 | 30,000 | 60,000 | 30,000 | 30,000 | 175,000 |
| Engineering-Construction Services | 15,000 | 15,000 | 25,000 | 30,000 | 30,000 | 115,000 |
| Construction Costs | 1,450,000 | 1,350,000 | 1,470,000 | 1,600,000 | 1,650,000 | 7,520,000 |
| Survey/Preliminary Analysis | | 30,000 | | | | 30,000 |
| Total | 1,490,000 | 1,425,000 | 1,555,000 | 1,660,000 | 1,710,000 | 7,840,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 1,490,000 | 1,425,000 | 1,555,000 | 1,660,000 | 1,710,000 | 7,840,000 |
| Total | 1,490,000 | 1,425,000 | 1,555,000 | 1,660,000 | 1,710,000 | 7,840,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| Maintenance Costs | -48,000 | -60,000 | -72,000 | -84,000 | -96,000 | -360,000 |
| Total | -48,000 | -60,000 | -72,000 | -84,000 | -96,000 | -360,000 |

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works
Contact City Engineer

Project # **STR-00-001**

Project Name **Annual PCC Street Patching Program**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

| | |
|--------------|--|
| Project # | STR-00-002 |
| Project Name | Annual Asphalt Street Resurfacing Program |

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

Description

The Annual Asphalt Street Resurfacing Program focuses on the HMA overlay of County rural roadways now within the City of Ankeny corporate limits. Future projects would focus on overlaying existing asphalt streets within the interior of the City which are typically designed and construction administered in-house by Public Works Engineering Division staff.

The specific projects for 2023 include:

- SW Ordnance Road, SW Cherry Street to SW Railroad Drive, HMA Overlay (\$365,000 construction)
- County NE 38th Street, East 1st Street to NE 18th Street, HMA Overlay (\$75,000 cost share with Polk County)
- County NW 4th Street, South City Limits to SW Polk City Drive, HMA Overlay (\$35,000 cost share with Polk County)

Potential future projects:

- SW Ordnance Road, SW Des Moines Street to SW Cherry Street, HMA Overlay (\$360,000 construction)
- NE Frisk Drive, East 1st Street to NE 18th Street, HMA Overlay (\$60,000 cost share with Polk County)
- NE 18th Street, NE Frisk Drive to Four Mile Drive, HMA Overlay (\$55,000 cost share with Polk County)
- SW Ordnance Road, east of SW Westview Drive to SW Des Moines Street, HMA Overlay (\$350,000 construction)
- SW Ordnance Road, west of SW Westview Drive to east of SW Westview Drive, HMA Overlay (\$225,000 construction)
- SW Goodwin Street, HMA Paving (\$150,000 construction)
- SW Ankeny Road from SW State Street to SW Oralabor Road - HMA overlay or diamond grinding
- NW 5th Street from NW Weigel Drive to NW Irvindale Drive - HMA overlay or slurry level
- NE Delaware Avenue from NE 36th Street to NE 54th Street - HMA overlay or slurry level
- Public alleyways between SW Cherry Street and SW Walnut Street, from West 1st Street to SW 3rd Street - HMA overlay
- SE Oralabor Road, east of SE Convenience Boulevard to PCC - 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Construction Costs | 475,000 | 475,000 | 350,000 | 375,000 | 350,000 | 2,025,000 |
| Total | 475,000 | 475,000 | 350,000 | 375,000 | 350,000 | 2,025,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 475,000 | 475,000 | 350,000 | 375,000 | 350,000 | 2,025,000 |
| Total | 475,000 | 475,000 | 350,000 | 375,000 | 350,000 | 2,025,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Maintenance Costs | -10,000 | -12,000 | -14,000 | -16,000 | -18,000 | -70,000 |
| Total | -10,000 | -12,000 | -14,000 | -16,000 | -18,000 | -70,000 |

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works
Contact City Engineer

Project # **STR-00-002**

Project Name **Annual Asphalt Street Resurfacing Program**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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: (1) sawing, cleaning, and filling existing joints and cracks, and/or (2) performing partial depth repair (PDR) patches of deteriorated concrete pavement adjacent to joints.

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 2023, the allocation will be used for joint and crack filling on residential streets. In future years, it 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Construction Costs | 350,000 | 375,000 | 400,000 | 425,000 | 450,000 | 2,000,000 |
| Total | 350,000 | 375,000 | 400,000 | 425,000 | 450,000 | 2,000,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| G.O. Bonds | 350,000 | 375,000 | 400,000 | 425,000 | 450,000 | 2,000,000 |
| Total | 350,000 | 375,000 | 400,000 | 425,000 | 450,000 | 2,000,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|---------------|----------------|----------------|----------------|----------------|----------------|
| Maintenance Costs | -9,000 | -11,000 | -12,000 | -14,000 | -15,000 | -61,000 |
| Total | -9,000 | -11,000 | -12,000 | -14,000 | -15,000 | -61,000 |

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works
Contact City Engineer

Project # **STR-00-003**

Project Name **Annual Pavement Preservation Program**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # STR-00-004

Project Name Annual Street Replacement Program

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

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). The primary focus has been on the City's collector streets as identified in the 2008 Pavement Management Study. However, there is also a need to reconstruct numerous residential streets and, in some locations, portions of arterial streets.

Projects generally include pavement reconstruction with C-SUD concrete mix, rock subbase, and longitudinal subdrain, along with spot location replacement of deteriorated storm sewer intakes and pipes and/or full replacement of undersized water main. Public Works Engineering Division staff coordinates with the Stormwater Division and also the Municipal Utilities Department to determine whether existing public utilities within the street reconstruction corridor need any repair and/or replacement.

- 2023: SE Creekview Drive - SE Oralabor Road to 400' north of SE Tones Drive (NB Lanes) - \$625,000 (construct); SE 8th Street - SE Rio Circle to SE Michael Drive - \$825,000 (construct)
- 2024: NW Ash Drive - Prairie Ridge Sports Complex Access Drive to NW 18th Street - \$800,000 (construct); NW Westwood Street - NW 5th Street to 9th Street - \$925,000 (construct);
- 2025: NE Trilein Drive - East 1st Street to NE 5th Street - \$950,000 (construct); TBD - \$800,000 (construct)
- 2026-2027: TBD

Justification

The older sections of Ankeny have streets that are deteriorating at an advanced rate. Many of these interior streets are generally the same age, with serious cracks, spalls, joint failures, poor subgrade, etc. Public Works has the above locations and numerous additional streets targeted for replacement. The engineering design and construction inspection associated with this program will be primarily completed by in-house Engineering Division staff with a few of the projects targeted for an engineering consultant to complete the professional services.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Construction Costs | 1,450,000 | 1,725,000 | 1,750,000 | 1,750,000 | 1,750,000 | 8,425,000 |
| Total | 1,450,000 | 1,725,000 | 1,750,000 | 1,750,000 | 1,750,000 | 8,425,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | | 1,725,000 | 1,750,000 | 1,750,000 | 1,750,000 | 6,975,000 |
| Road Use Tax Fund | 1,450,000 | | | | | 1,450,000 |
| Total | 1,450,000 | 1,725,000 | 1,750,000 | 1,750,000 | 1,750,000 | 8,425,000 |

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 water main replacement will reduce annual maintenance costs for the City because the Municipal Utilities Department will not have to repair existing water pipes and appurtenances.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| Maintenance Costs | -20,000 | -25,000 | -30,000 | -35,000 | -40,000 | -150,000 |
| Total | -20,000 | -25,000 | -30,000 | -35,000 | -40,000 | -150,000 |

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works
Contact City Engineer

Project # **STR-00-004**

Project Name **Annual Street Replacement Program**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

| | |
|--------------|--|
| Project # | STR-14-006 |
| Project Name | NE Delaware Avenue Reconstruction-5th to 18th |

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

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 project's final design has been completed; construction is scheduled for 2023 and 2024; and the 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------------------|----------------|------|------|-------------------|
| Engineering-Construction Services | 300,000 | 325,000 | 25,000 | | | 650,000 |
| Construction Costs | 5,100,000 | 5,550,000 | 125,000 | | | 10,775,000 |
| Street Lighting | 275,000 | 200,000 | | | | 475,000 |
| Total | 5,675,000 | 6,075,000 | 150,000 | | | 11,900,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|------------------|------------------|----------------|------|------|-------------------|
| Capital Project Fund | 1,500,000 | | | | | 1,500,000 |
| FHWA/IDOT Grants | 250,000 | 250,000 | | | | 500,000 |
| G.O. Bonds | 2,170,000 | 4,325,000 | 150,000 | | | 6,645,000 |
| MPO/STBG Grants | 1,500,000 | 1,500,000 | | | | 3,000,000 |
| Special Assessments | 255,000 | | | | | 255,000 |
| Total | 5,675,000 | 6,075,000 | 150,000 | | | 11,900,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|--------------|---------------|---------------|---------------|---------------|
| Maintenance Costs | | 2,000 | 4,000 | 4,000 | 4,000 | 14,000 |
| Utilities | | 3,500 | 6,000 | 6,000 | 6,000 | 21,500 |
| Total | | 5,500 | 10,000 | 10,000 | 10,000 | 35,500 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

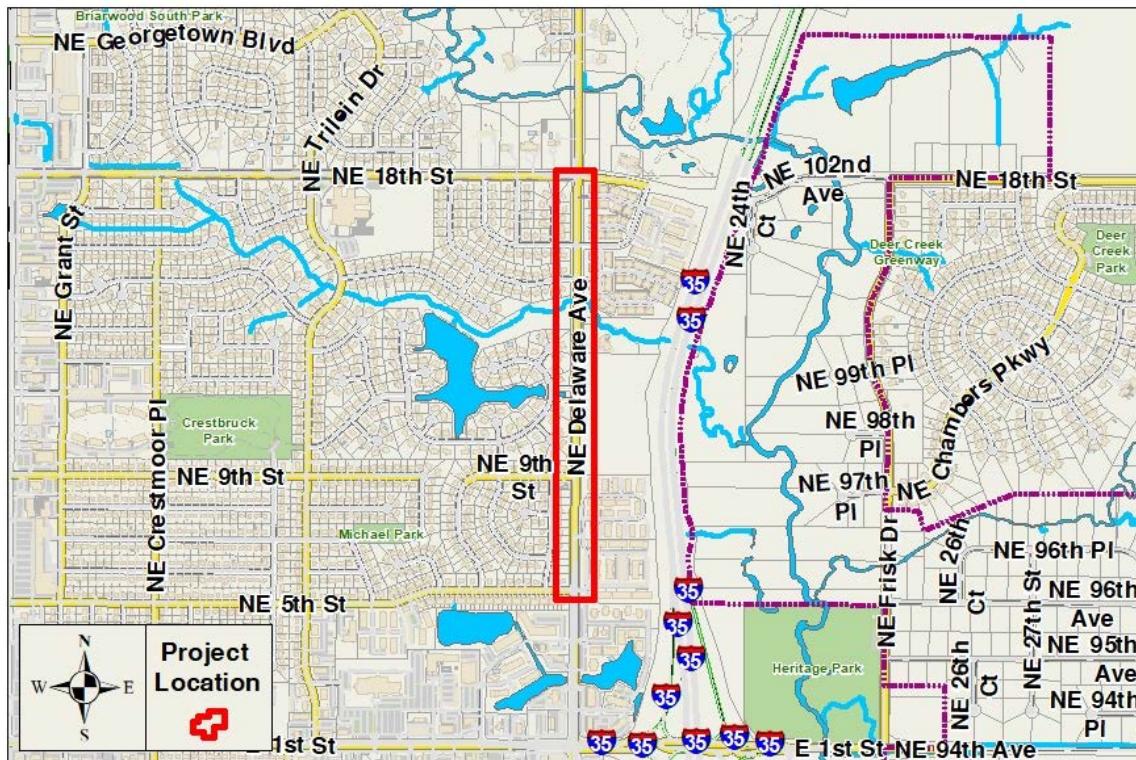
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-14-006**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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 Irvinestate Dr Intersection**

Description

Reconstruction of the SW Oralabor Road (Iowa Highway 415) and SW Irvinestate Drive intersection. The project includes a traffic study, conceptual design, and surveying in 2024; design engineering services, right-of-way acquisition, and utility relocations in 2025; and construction engineering services and project construction in 2026. 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 the project is to improve traffic safety and mobility at the SW Oralabor Road and SW Irvinestate 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|------------------|-------------|-------------|------------------|
| Engineering-Design | | 250,000 | 450,000 | | | 700,000 |
| Engineering-Construction Services | | | | 350,000 | | 350,000 |
| Construction Costs | | | | 3,950,000 | | 3,950,000 |
| Street Lighting | | | | 50,000 | | 50,000 |
| Land/ROW Acquisition | | | 50,000 | | | 50,000 |
| Total | 250,000 | 500,000 | 4,350,000 | | | 5,100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------|----------------|----------------|------------------|-------------|-------------|------------------|
| Capital Project Fund | | 250,000 | 500,000 | 3,000,000 | | 3,750,000 |
| FHWA/IDOT Grants | | | | 1,000,000 | | 1,000,000 |
| G.O. Bonds - TIF Abated | | | | 350,000 | | 350,000 |
| Total | 250,000 | 500,000 | 4,350,000 | | | 5,100,000 |

Budget Impact/Other

In the long-term, the City's maintenance costs should not increase because no additional traffic lanes on SW Irvinestate 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).

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

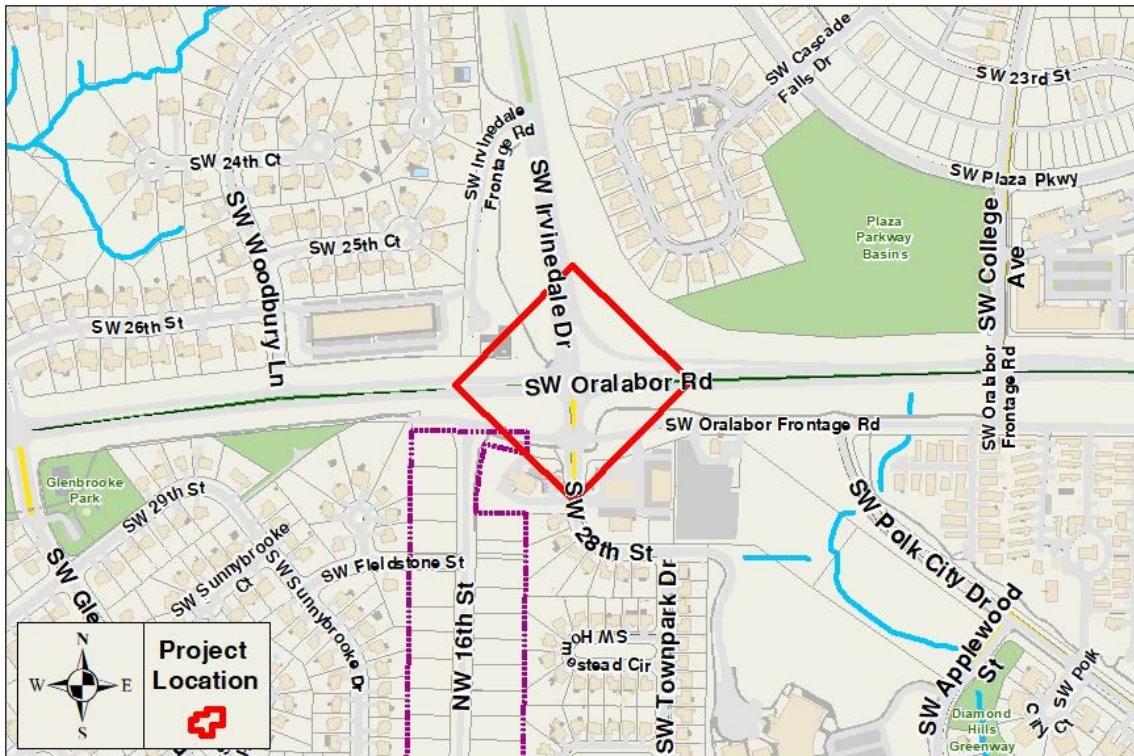
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-16-003**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Project # **STR-18-001**

Project Name **N Ankeny Blvd & 18th St Intersection Improvements**

Description

The project will realign the medians on North Ankeny Boulevard/U.S. Highway 69 to improve left-turning drivers' sightlines to on-coming traffic, and replace existing landscaping in the medians with turfgrass and low maintenance plantings. The pedestrian ramps will be reconstructed to Americans with Disabilities Act (ADA) standards and accessible pushbuttons (APS) will be installed, and new landscaping areas will be added in each corner. Due to planned City and Iowa DOT reconstruction and improvement projects in 2023 and beyond, the work at the project intersection is proposed to be completed in 2023.

Justification

An action item for the Public Works Department from the 2016 Strategic Planning process was to develop concepts for improving the landscaping in the City's rights-of-way and medians. The existing landscaping in the medians is in poor condition, visually unappealing, and difficult to maintain. The proposed landscaping improvements concept and associated costs were presented to the City Council at a work session on October 16, 2017. The proposed concept has also been reviewed with the Iowa DOT, and they were accepting of the landscape improvements. Median modifications to address safety concerns have been coordinated with Iowa DOT.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Engineering-Design | 40,000 | | | | | 40,000 |
| Construction Costs | 400,000 | | | | | 400,000 |
| Total | 440,000 | | | | | 440,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| FHWA/IDOT Grants | 200,000 | | | | | 200,000 |
| G.O. Bonds | 240,000 | | | | | 240,000 |
| Total | 440,000 | | | | | 440,000 |

Budget Impact/Other

The existing landscaping in the medians is difficult to maintain, and the proposed landscaping is low maintenance. Therefore, the additional maintenance cost for the Public Works Operations Division is considered negligible. The proposed landscaping will result in additional maintenance costs due to mowing the new turfgrass areas and normal maintenance of the new irrigation system. Irrigating the landscaped medians and intersection corners will result in additional water usage by the City during the spring and summer months. There is no operating impact associated with new pushbuttons or modifying the existing medians for improved driver sightlines to on-coming traffic.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Maintenance Costs | | | | 250 | 750 | 1,000 |
| Utilities | | | | | 1,000 | 1,000 |
| Total | | | | 250 | 1,750 | 2,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

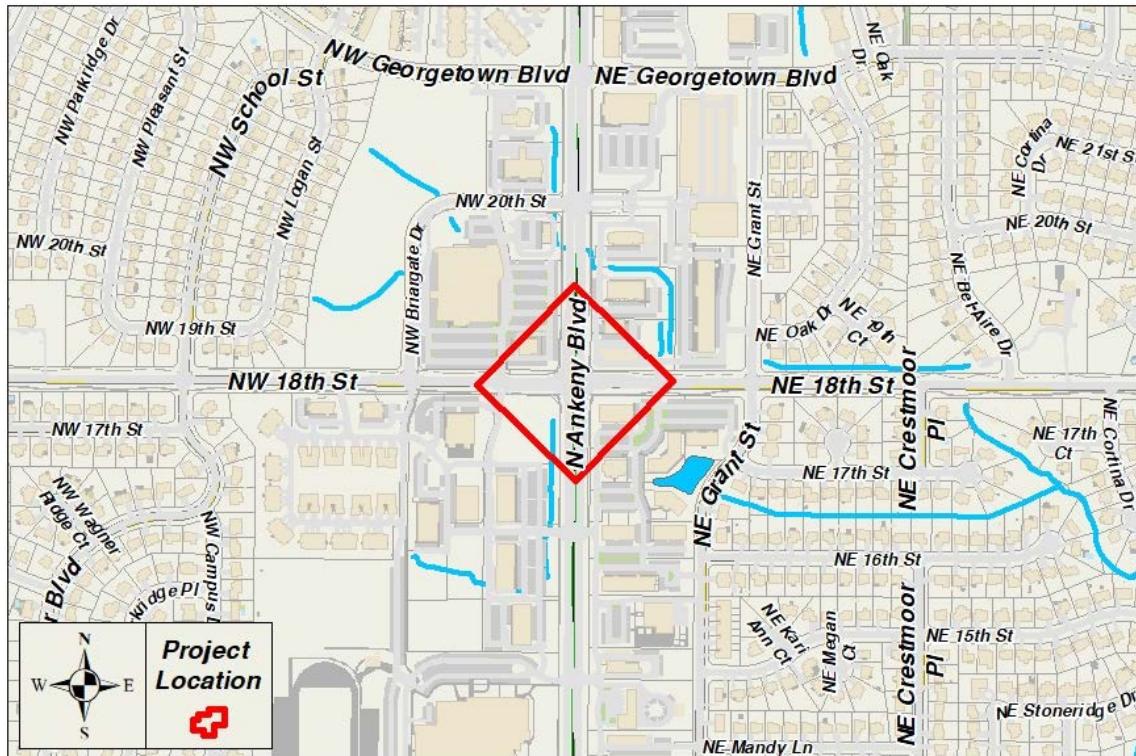
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-18-001

Project Name N Ankeny Blvd & 18th St Intersection Improvements



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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

This project is the 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 and traffic signalization of the NW 36th Street and NW Irvinedale Drive intersection and adding left and right turn lanes at all four legs of the intersection. The project also includes adding left turn lanes, a westbound right turn lane, and traffic signalization at the NW 36th Street and NW Abilene Road intersection. The existing 5' 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' 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 Rock Creek Elementary and adjacent development to the west and east of NW Irvinedale Drive. Survey and preliminary design are planned for 2024; final design, right-of-way acquisition, and utility relocations are planned for 2025; construction is planned for 2026; and landscaping improvements are planned for 2027.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|------------------|----------------|------------------|--------------|
| Engineering-Design | | 250,000 | 700,000 | | | 950,000 |
| Engineering-Construction Services | | | | 550,000 | 25,000 | 575,000 |
| Construction Costs | | | | 7,000,000 | 100,000 | 7,100,000 |
| Street Lighting | | | | 200,000 | | 200,000 |
| Land/ROW Acquisition | | | 100,000 | | | 100,000 |
| Total | 250,000 | 800,000 | 7,750,000 | 125,000 | 8,925,000 | |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|----------------|------------------|----------------|------------------|--------------|
| G.O. Bonds | | 250,000 | 800,000 | 7,000,000 | 125,000 | 8,175,000 |
| Special Assessments | | | | 750,000 | | 750,000 |
| Total | 250,000 | 800,000 | 7,750,000 | 125,000 | 8,925,000 | |

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 signal and street lights will result in additional electric power costs to the City.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Maintenance Costs | | | | | 1,500 | 1,500 |
| Utilities | | | | | 4,000 | 4,000 |
| Total | | | | | 5,500 | 5,500 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

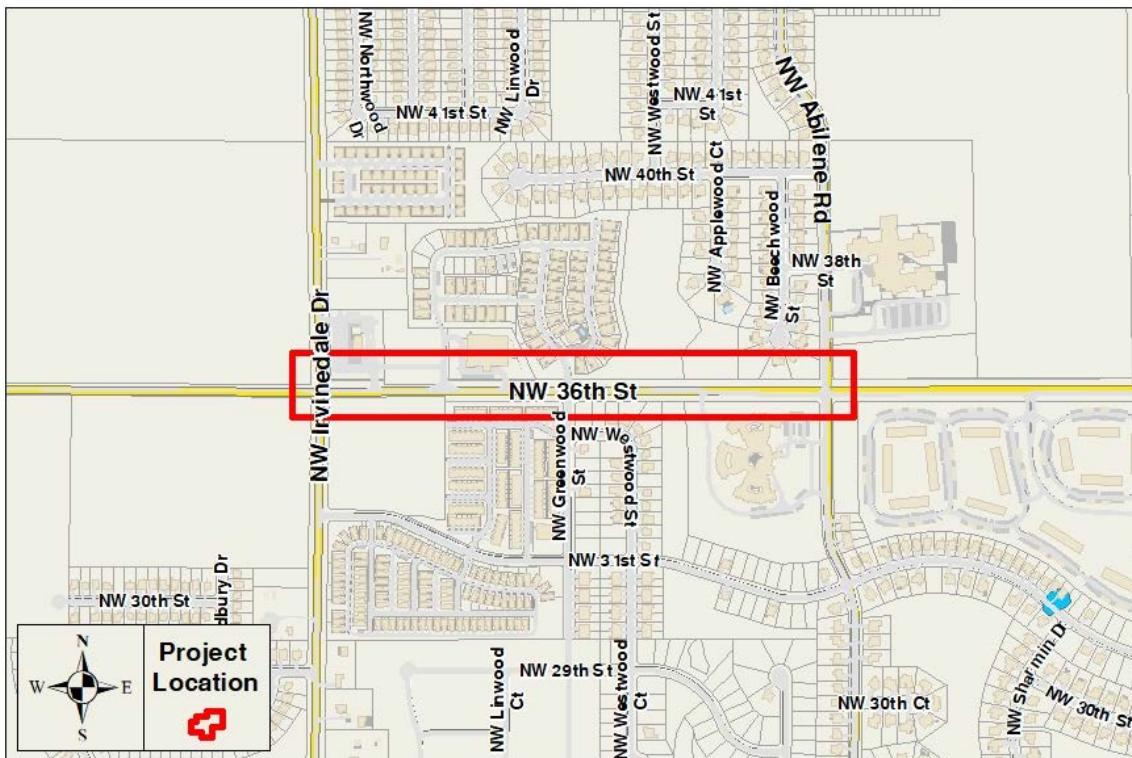
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-18-003**

Project Name NW 36th St Reconstruction-Irvinedale to Abilene



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Streets and Alleys

Project # **STR-18-004**

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

Description

Extension of NW 18th Street from NW Spruce Drive west approximately 2,700 LF 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, street trees, and signing. 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 \$1,900,000 of the estimated \$7,000,000 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 concept study and survey in 2027, design and right-of-way acquisition in 2028, and construction in 2029.

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Engineering-Design | | | | | 50,000 | 50,000 |
| Total | | | | | 50,000 | 50,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | | | | | 50,000 | 50,000 |
| Total | | | | | 50,000 | 50,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

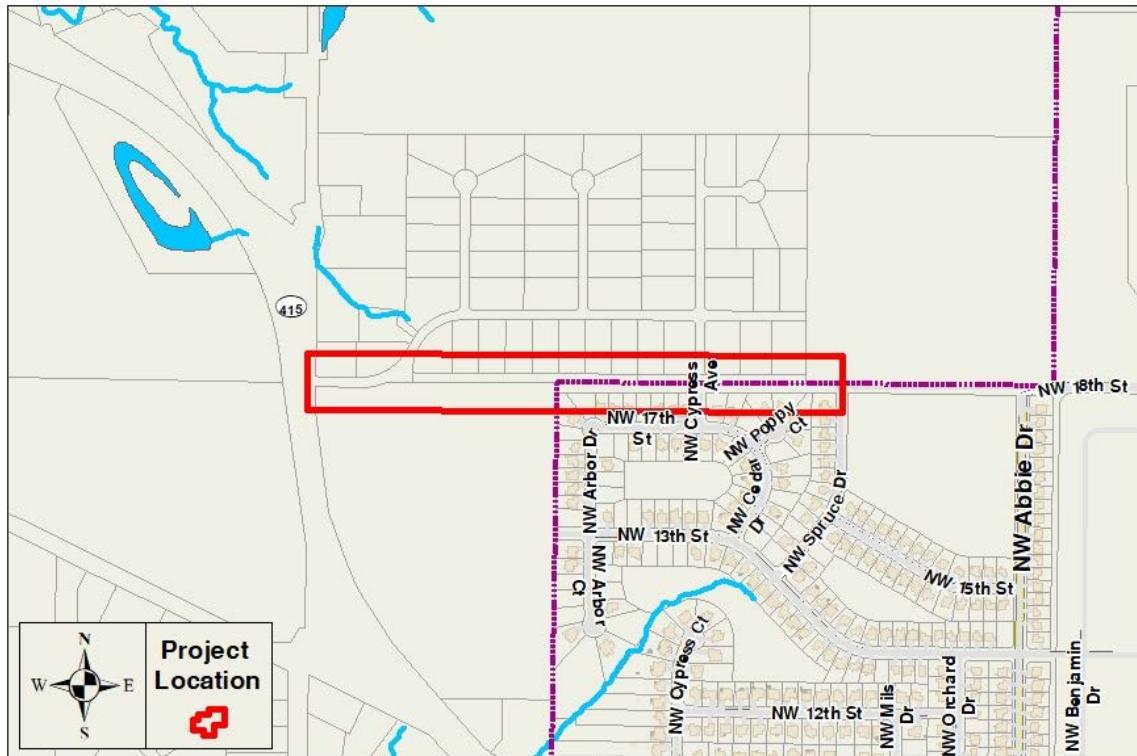
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-18-004**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 Asphalt Overlay-Weigel to Irvinedale

Description

This project involves Hot Mix Asphalt (HMA) resurfacing on NW 36th Street from NW Weigel Drive to NW Irvinedale Drive. NW 36th Street is an existing gravel roadway, and the proposed surface would be 24-ft. wide and 8" thick HMA with 1.5-ft. wide granular shoulders. This project also includes extending an existing reinforced concrete box culvert and consultant engineering design and construction services.

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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|------|------|------|------------------|
| Engineering-Design | 115,000 | | | | | 115,000 |
| Engineering-Construction Services | | 80,000 | | | | 80,000 |
| Construction Costs | | 950,000 | | | | 950,000 |
| Total | 115,000 | 1,030,000 | | | | 1,145,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 115,000 | 1,030,000 | | | | 1,145,000 |
| Total | 115,000 | 1,030,000 | | | | 1,145,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|------|----------------|----------------|----------------|----------------|
| Maintenance Costs | | | -12,500 | -12,500 | -12,500 | -37,500 |
| Total | | | -12,500 | -12,500 | -12,500 | -37,500 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

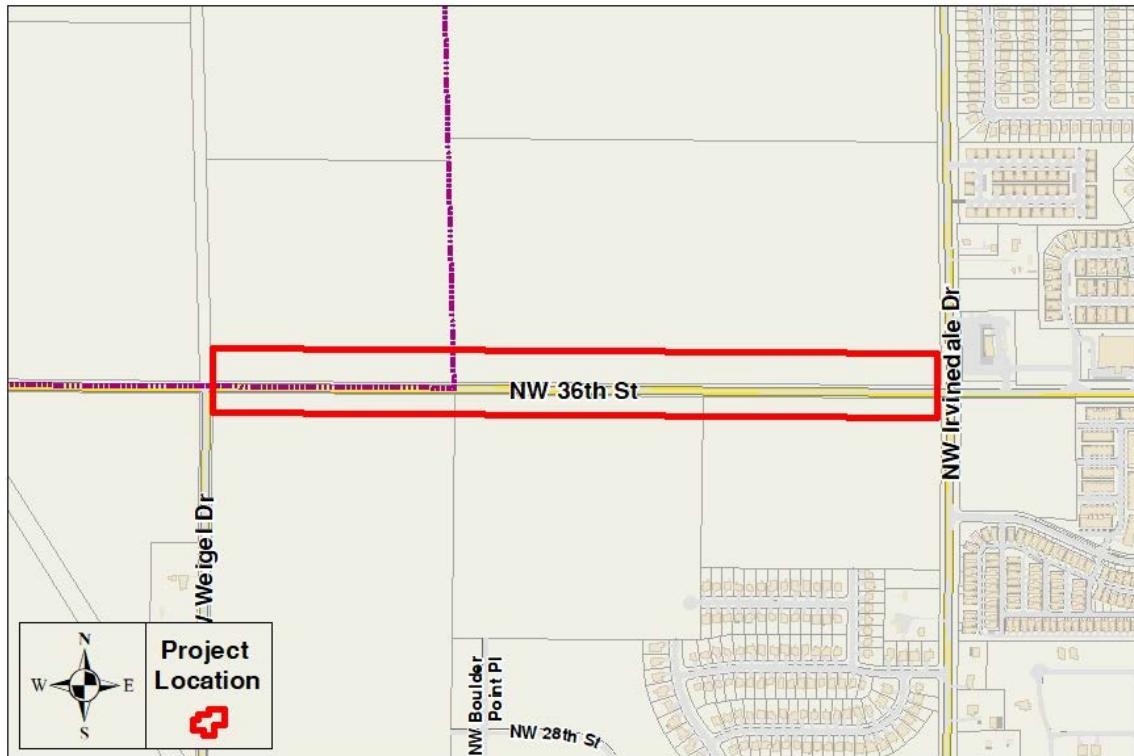
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-19-004**

Project Name NW 36th St Asphalt Overlay-Weigel to Irvindale



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 150' long 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 would be coordinated with the Iowa DOT. It is anticipated that Public Works Engineering Division staff would survey, design and inspect this project in-house.

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 indicated to the City of Ankeny that the project would be eligible for U-STEP funding.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Construction Costs | 200,000 | | | | | 200,000 |
| Total | 200,000 | | | | | 200,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| County Contributions | 50,000 | | | | | 50,000 |
| FHWA/IDOT Grants | 100,000 | | | | | 100,000 |
| G.O. Bonds | 50,000 | | | | | 50,000 |
| Total | 200,000 | | | | | 200,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

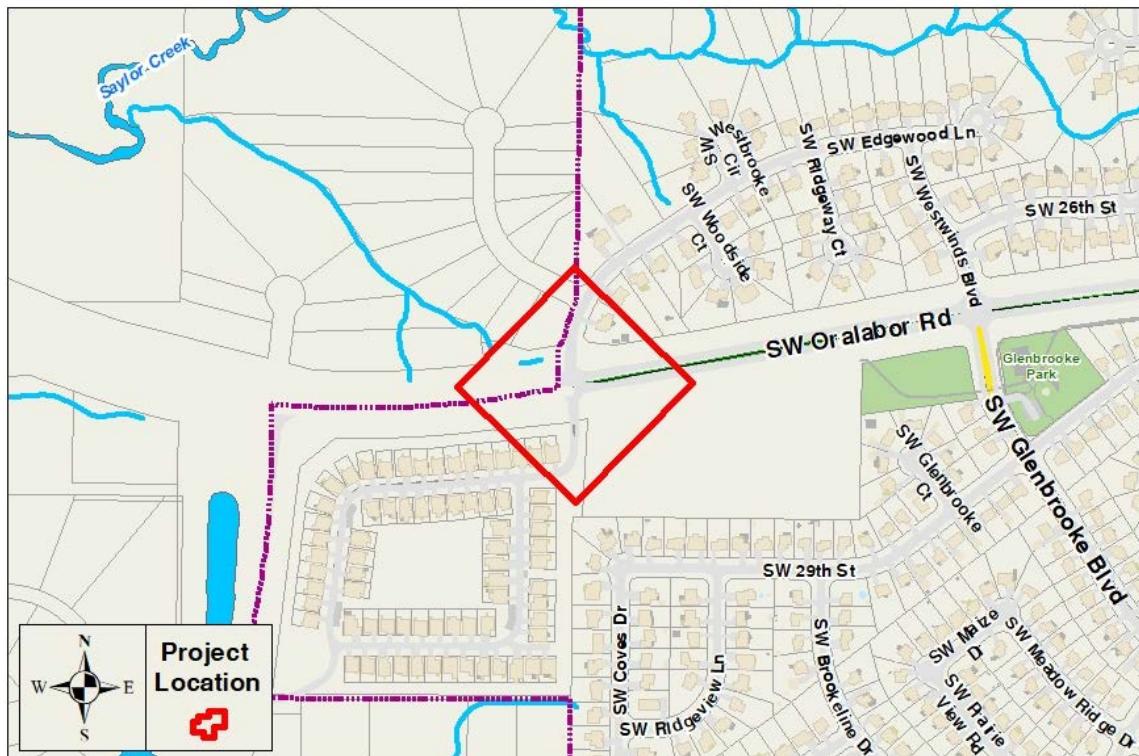
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-19-006**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-20-004

Project Name NW 18th Street Reconstruction-Ash to Ankeny Blvd

Description

This project includes reconstructing and widening NW 18th Street from approximately 300 feet west of NW Ash Drive to approximately 250 feet west of North Ankeny Boulevard. The existing two-lane street will be improved to a three-lane street with left turn lanes, right turn lanes where needed at intersections, and a raised median between NW Briargate Drive and North Ankeny Boulevard. The project also includes construction of storm sewer, fiber optic cable in conduit, sidewalks, utility adjustments, replacing the traffic signal at the NW Ash Drive intersection and adding a traffic signal at the NW Briargate Drive intersection. This project also includes consultant construction engineering services.

Justification

This segment of NW 18th Street is experiencing significant deterioration of the existing joints and pavement structure. It requires regular maintenance (primarily cold patching) by the Public Works Operations Division to maintain a drivable street surface. The project's construction costs assume full depth removal and replacement of the existing pavement structure.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------|------|------|------|------------------|
| Engineering-Construction Services | 400,000 | | | | | 400,000 |
| Construction Costs | 4,950,000 | | | | | 4,950,000 |
| Street Lighting | 50,000 | | | | | 50,000 |
| Total | 5,400,000 | | | | | 5,400,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------------------|------|------|------|------|------------------|
| G.O. Bonds | 5,400,000 | | | | | 5,400,000 |
| Total | 5,400,000 | | | | | 5,400,000 |

Budget Impact/Other

This project 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. The new traffic signal will result in additional electric power costs for the City

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|---------------|---------------|---------------|---------------|----------------|
| Maintenance Costs | | -7,500 | -7,500 | -7,500 | -7,500 | -30,000 |
| Utilities | | 1,500 | 1,500 | 1,500 | 1,500 | 6,000 |
| Total | | -6,000 | -6,000 | -6,000 | -6,000 | -24,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

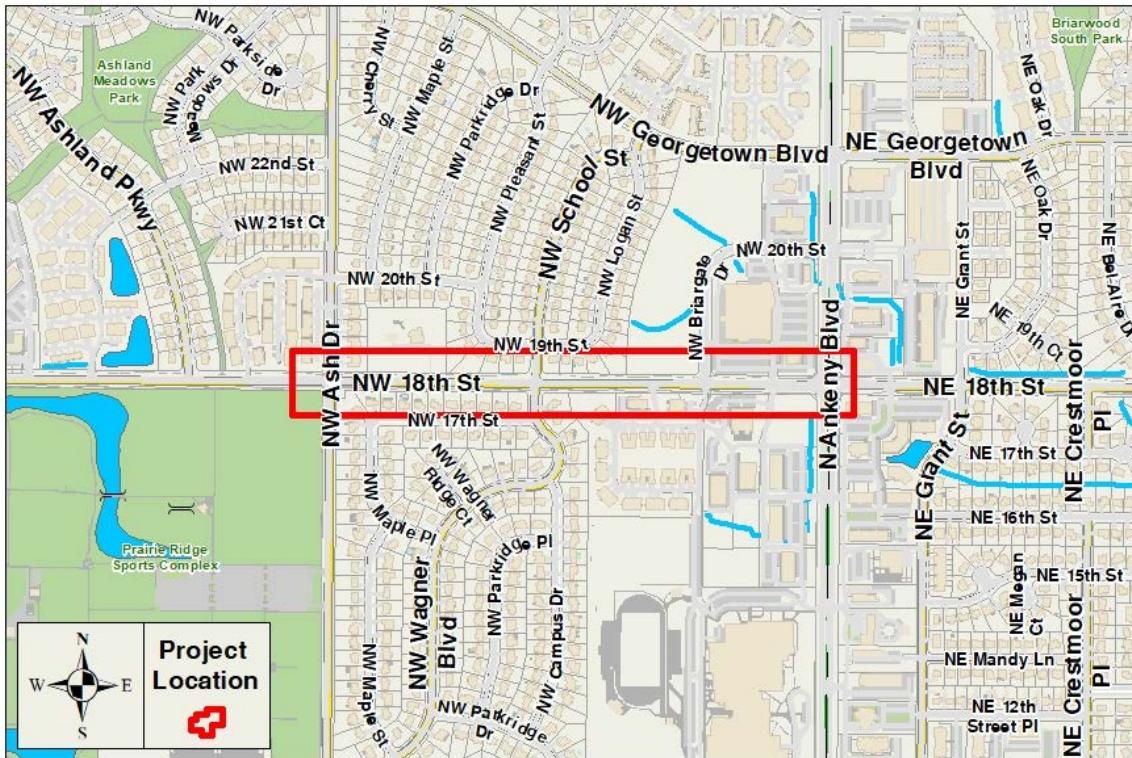
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-20-004**

Project Name **NW 18th Street Reconstruction-Ash to Ankeny Blvd**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # **STR-20-005**

Project Name **NW 36th Street Widening-Ash to Ankeny Blvd**

Description

This project will install landscaping at the North Ankeny Boulevard and NW 36th Street intersection and plant trees along the north side of NW 36th Street, between NW Ash Drive and North Ankeny Boulevard. The landscaping project will follow the widening of NW 36th Street, between NW Ash Drive and North Ankeny Boulevard, to four lanes which is expected to be substantially completed in 2022. It is anticipated that the landscaping project would be completed in either the spring or fall of 2023.

Justification

This project will complete the NW 36th Street Widening - NW Ash Drive to North Ankeny Boulevard project. The landscaping improvements are designed and constructed as a separate project from the street widening project in order to help ensure that a quality contractor will perform the landscaping work.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Engineering-Construction Services | 25,000 | | | | | 25,000 |
| Construction Costs | 100,000 | | | | | 100,000 |
| Total | 125,000 | | | | | 125,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| G.O. Bonds | 125,000 | | | | | 125,000 |
| Total | 125,000 | | | | | 125,000 |

Budget Impact/Other

The additional landscaping at the intersection and street trees on the north side of NW 36th Street will require some additional maintenance by the Public Works Department.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Maintenance Costs | | 250 | 250 | 250 | 250 | 1,000 |
| Total | | 250 | 250 | 250 | 250 | 1,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

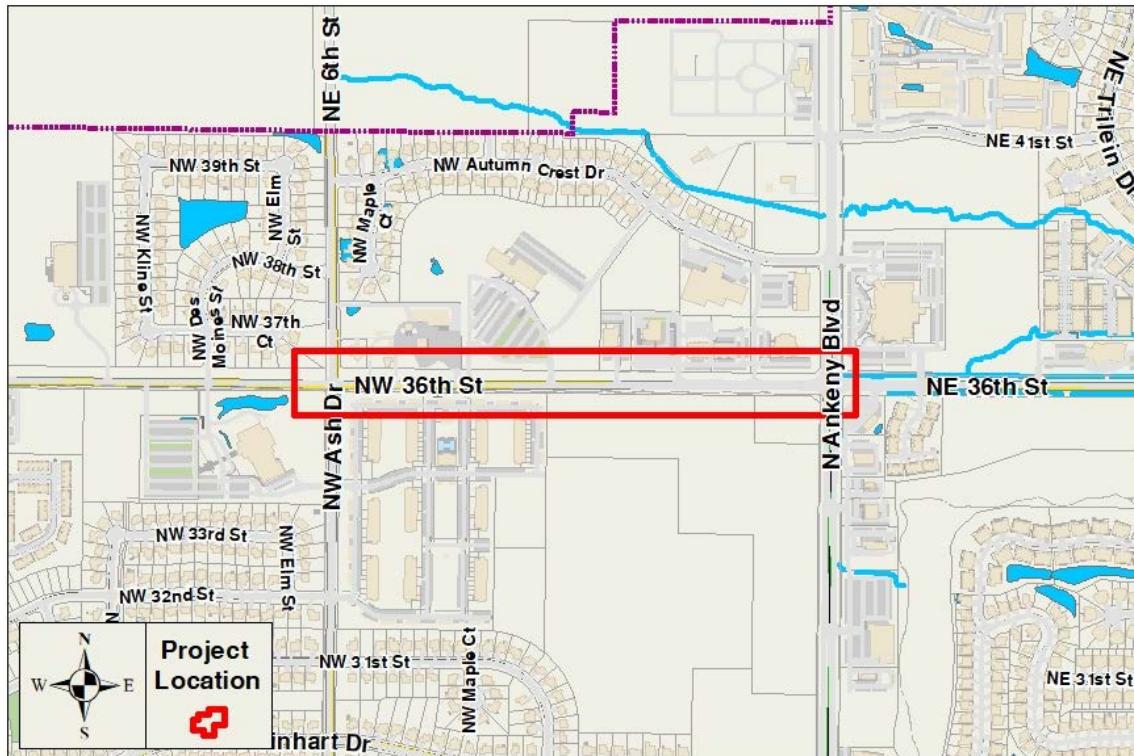
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-20-005**

Project Name **NW 36th Street Widening-Ash to Ankeny Blvd**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 system (to the west) and the Gay Lea Wilson Trail and High Trestle Trail systems (to the east). The trail is a 10' wide PCC trail that runs along the south side of SW/SE Oralabor Road across the south side of Ankeny. The trail is very popular with recreational users and commuters. 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. This 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 will involve a DOT bid letting and continued coordination during the construction phase. The construction cost estimate includes \$370,000 for water main relocation. It also includes \$250,000 for a separate fiber optic relocation project which will occur prior to the beginning of this project.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------------------|-------------|-------------|-------------|------------------|
| Engineering-Construction Services | 280,000 | 120,000 | | | | 400,000 |
| Construction Costs | 3,369,000 | 1,456,000 | | | | 4,825,000 |
| Street Lighting | 30,000 | | | | | 30,000 |
| Total | 3,679,000 | 1,576,000 | | | | 5,255,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|------------------|------------------|-------------|-------------|-------------|------------------|
| Capital Project Fund | 1,751,087 | 749,752 | | | | 2,500,839 |
| FHWA/IDOT Grants | 822,500 | 352,500 | | | | 1,175,000 |
| MPO/STBG Grants | 1,105,413 | 473,748 | | | | 1,579,161 |
| Total | 3,679,000 | 1,576,000 | | | | 5,255,000 |

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.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|------|------|------|------|-------|
| Maintenance Costs | | 400 | 400 | 400 | 400 | 1,600 |
| Total | | 400 | 400 | 400 | 400 | 1,600 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

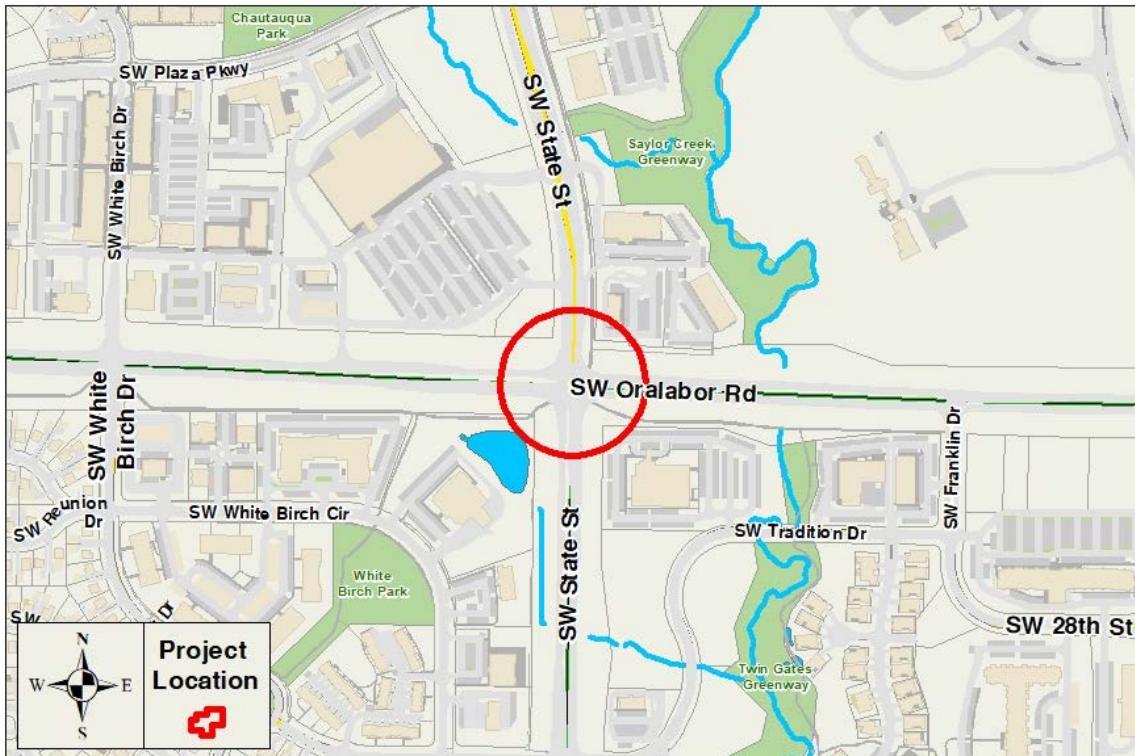
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-20-008**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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

Project # STR-21-001

Project Name SW State St Reconstruction-Ordnance to 1st St

Description

This project includes the reconstruction of the PCC pavement in the southbound lanes of SW State Street from just north of SW Ordnance Road to approximately 100 feet south of West 1st Street. This project includes removal and replacement of the existing pavement structure along with subgrade, subdrain, and subbase improvements. The project also includes consultant design engineering and construction engineering services.

Justification

This segment of SW State Street is experiencing deterioration of the existing joints and pavement structure. It requires regular maintenance (primarily cold patching) by the Public Works Operations Division. The project's construction costs assume full depth removal and replacement of the existing pavement structure.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|-------------|-------------|-------------|-------------|------------------|
| Engineering-Construction Services | 125,000 | | | | | 125,000 |
| Construction Costs | 1,700,000 | | | | | 1,700,000 |
| Total | 1,825,000 | | | | | 1,825,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|------------------|-------------|-------------|-------------|-------------|------------------|
| Capital Project Fund | 1,825,000 | | | | | 1,825,000 |
| Total | 1,825,000 | | | | | 1,825,000 |

Budget Impact/Other

This project 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|---------------|---------------|---------------|---------------|----------------|
| Maintenance Costs | | -5,500 | -5,500 | -5,500 | -5,500 | -22,000 |
| Total | | -5,500 | -5,500 | -5,500 | -5,500 | -22,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-21-001**

Project Name **SW State St Reconstruction-Ordnance to 1st St**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-21-004

Project Name NW Irvinedale Dr and NW 18th St Intersection

Description

Reconstruction of the NW Irvinedale Drive and NW 18th Street intersection to improve traffic capacity, mobility, and safety. It is anticipated that dedicated left and right turn lanes will be provided at all four legs of the intersection. Traffic signal improvements will also be needed to accommodate the new turn lanes. 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.

Justification

NW Irvinedale 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 Irvinedale Drive with steep side slopes that are considered potential safety issues should a driver errantly leave the road. This project will improve traffic capacity, mobility and safety.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|------------------|------|------|------------------|
| Engineering-Design | 100,000 | 350,000 | | | | 450,000 |
| Engineering-Construction Services | | | 300,000 | | | 300,000 |
| Construction Costs | | | 3,325,000 | | | 3,325,000 |
| Street Lighting | | | 100,000 | | | 100,000 |
| Land/ROW Acquisition | | | 25,000 | | | 25,000 |
| Total | 100,000 | 350,000 | 3,750,000 | | | 4,200,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 100,000 | 350,000 | 3,750,000 | | | 4,200,000 |
| Total | 100,000 | 350,000 | 3,750,000 | | | 4,200,000 |

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.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|------|------|------------|------------|--------------|
| Maintenance Costs | | | | 500 | 500 | 1,000 |
| Total | | | | 500 | 500 | 1,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

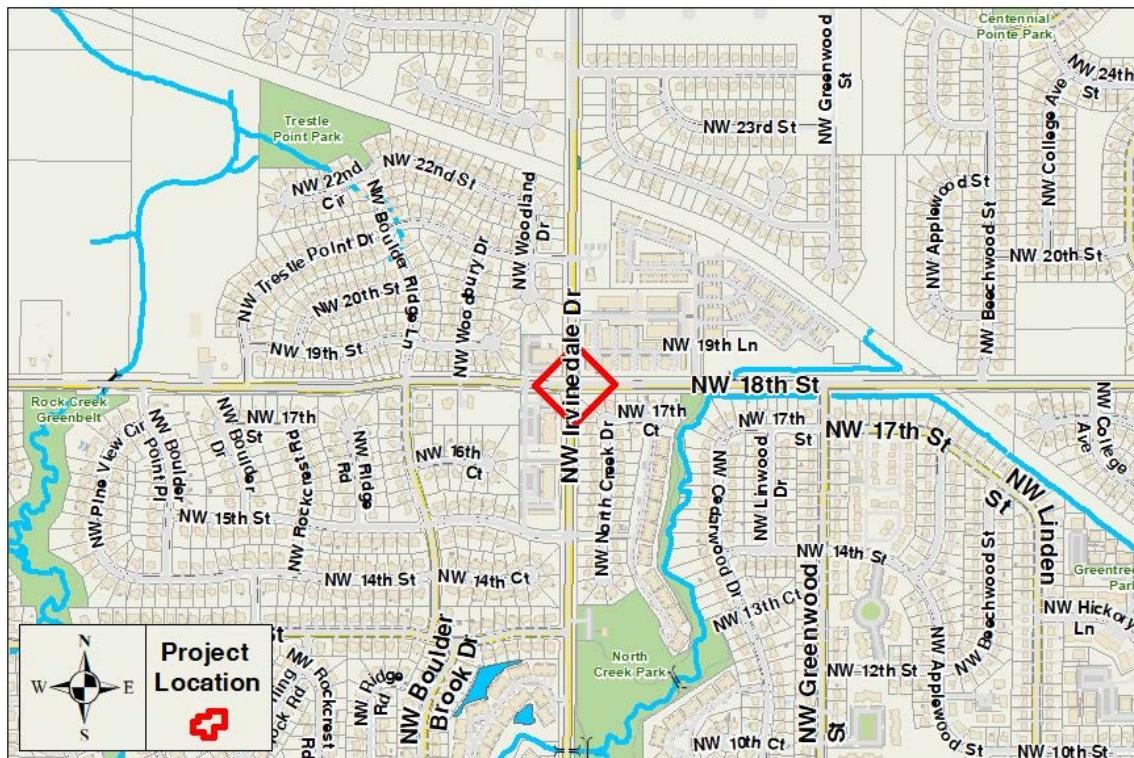
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-21-004**

Project Name NW Irwindale Dr and NW 18th St Intersection



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Project # **STR-21-005**

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

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Description

The proposed project concept will widen all legs of the intersection to provide right-turn lanes and dual left-turn lanes on all approaches. The project includes traffic signal and pedestrian ramp upgrades, and 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 2024 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' wide PCC trail that runs along the south side of Oralabor Road. 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. The grade-separated crossing has received \$440,000 of STBG-TAP funding from the Des Moines Area MPO, and additional funding will be requested.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|----------------|----------------|---------|------|----------------|----------------|
| Engineering-Design | | 50,000 | 250,000 | | 150,000 | 450,000 |
| Planning Study | | 50,000 | | | | 50,000 |
| Total | 100,000 | 250,000 | | | 150,000 | 500,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | | 100,000 | 250,000 | | 150,000 | 500,000 |
| Total | 100,000 | 250,000 | | | 150,000 | 500,000 |

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 maybe 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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

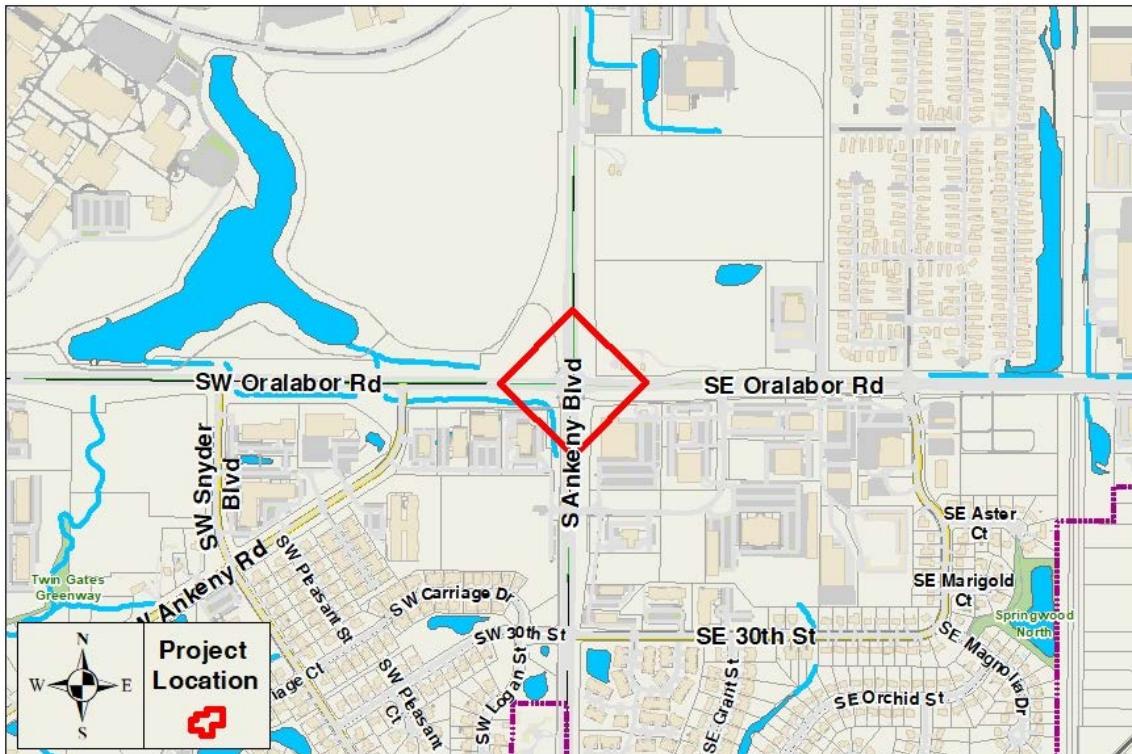
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-21-005**

Project Name South Ankeny Blvd and SE Oralabor Rd Safety Impr



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Project # **STR-21-006**

Project Name **Uptown Parking Improvements**

Description

Street and sidewalk construction to add diagonal parking stalls on SW Cherry Street, south of SW 3rd Street, and new diagonal stalls on SW 3rd Street, west of SW Pleasant Street. The stalls on SW Cherry Street will support redevelopment of two commercial sites on each side of SW Cherry Street. The 2023 parking project areas are identified as Areas A, B, D, and I in the Uptown Ankeny Parking Study.

Justification

Parking in certain areas of Uptown is at a premium during peak times or events. Demand for parking is being driven by an increase in hospitality businesses that draw customers from the entire City and region. Coffee, lunch, dining, and brewery crowds have led to more complaints from professional service businesses in Uptown who need parking for their customers. The Uptown Ankeny Parking Study identified several areas where additional on-street parking might be added within existing City right-of-way. The 2023 request supports the implementation of additional spaces in the areas with highest satisfiable demand. Other areas will be evaluated for improvement, with anticipated construction in Areas E, F and G in 2024.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|-------------|-------------|-------------|----------------|
| Engineering-Construction Services | 160,000 | 90,000 | | | | 250,000 |
| Construction Costs | 250,000 | 450,000 | | | | 700,000 |
| Total | 410,000 | 540,000 | | | | 950,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Capital Project Fund | 138,000 | | | | | 138,000 |
| G.O. Bonds - TIF Abated | 272,000 | 540,000 | | | | 812,000 |
| Total | 410,000 | 540,000 | | | | 950,000 |

Budget Impact/Other

Operating impact includes snow removal from additional on-street parking stalls and long-term maintenance of signs, markings and the pavement surface.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Maintenance Costs | | 200 | 600 | 600 | 600 | 2,000 |
| Total | | 200 | 600 | 600 | 600 | 2,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

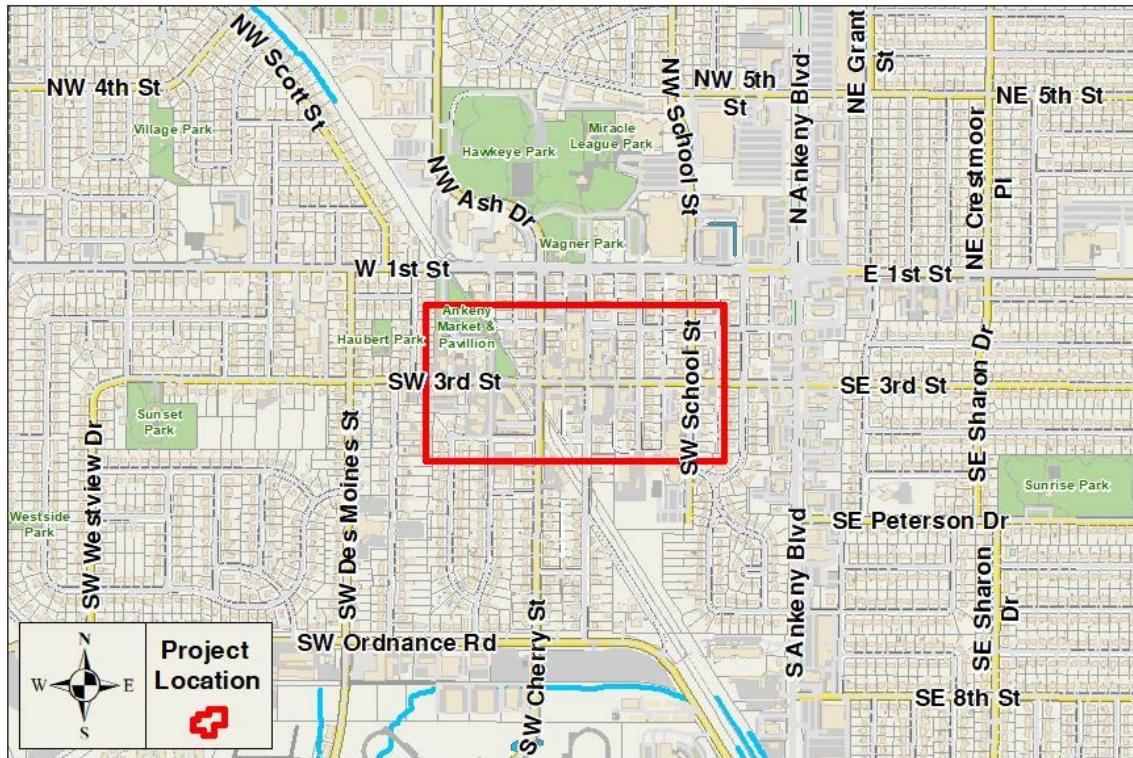
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-21-006**

Project Name **Uptown Parking Improvements**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Streets and Alleys

Project # STR-22-002

Project Name NW Weigel Dr Asphalt Overlay-NW 18 St to NW 36 St

Description

This project involves Hot Mix Asphalt (HMA) resurfacing on NW Weigel Drive from NW 18th Street to NW 36th Street. NW Weigel Drive is an existing gravel roadway, and the proposed surface would be 24-ft. wide and 7" thick HMA with 1.5-ft. wide HMA shoulders. This project also includes consultant engineering design, 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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|------|------|------|------------------|
| Engineering-Design | 130,000 | | | | | 130,000 |
| Engineering-Construction Services | | 90,000 | | | | 90,000 |
| Construction Costs | | 1,100,000 | | | | 1,100,000 |
| Total | 130,000 | 1,190,000 | | | | 1,320,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 130,000 | 1,190,000 | | | | 1,320,000 |
| Total | 130,000 | 1,190,000 | | | | 1,320,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|------|----------------|----------------|----------------|----------------|
| Maintenance Costs | | | -17,500 | -17,500 | -17,500 | -52,500 |
| Total | | | -17,500 | -17,500 | -17,500 | -52,500 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

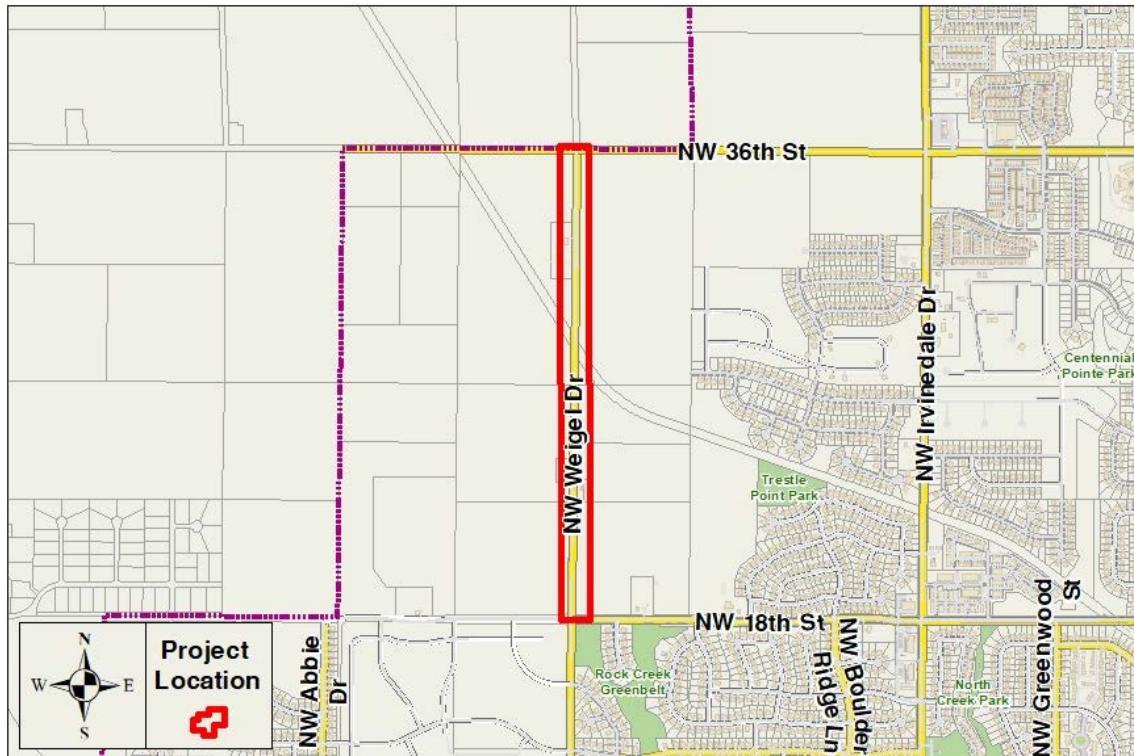
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-22-002**

Project Name: NW Weigel Dr Asphalt Overlay-NW 18 St to NW 36 St



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 West 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' wide and is proposed to be removed and replaced with a new five-lane street that is a minimum of 60' 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 West 1st Street and NW/SW Linden Street intersection; and the addition of approximately 20 streetlights. Similar to the West 1st Street Widening and Improvements - Phase 1 project which is being completed in 2022, it is anticipated that a joint utility trench will be necessary. Along with City/School fiber and other private utilities, it is assumed the existing overhead electric on wood poles would be placed underground adjacent to the joint utility trench. The Public Works Department is proposing that this project's construction be scheduled for 2026 and 2027, with the joint utility trench construction in 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. West 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' 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 through the Des Moines Area MPO, and intends to apply for additional STBG funding in future years. In addition, it is anticipated that the project would be eligible for other external funding such as the Iowa DOT's Traffic Safety Improvement Program (TSIP).

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|------------------|------------------|-------------------|--------------|
| Engineering-Design | | 500,000 | 750,000 | | | 1,250,000 |
| Engineering-Construction Services | | | | 375,000 | 425,000 | 800,000 |
| Construction Costs | | | 1,500,000 | 4,125,000 | 4,125,000 | 9,750,000 |
| Street Lighting | | | | 100,000 | 100,000 | 200,000 |
| Land/ROW Acquisition | | | 100,000 | | | 100,000 |
| Total | 500,000 | 2,350,000 | 4,600,000 | 4,650,000 | 12,100,000 | |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------------|----------------|------------------|------------------|------------------|-------------------|--------------|
| G.O. Bonds - TIF Abated | | 500,000 | 2,350,000 | 3,448,500 | 4,650,000 | 10,948,500 |
| MPO/STBG Grants | | | | 1,151,500 | | 1,151,500 |
| Total | 500,000 | 2,350,000 | 4,600,000 | 4,650,000 | 12,100,000 | |

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 streetlights will result in additional electric power costs to the City.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

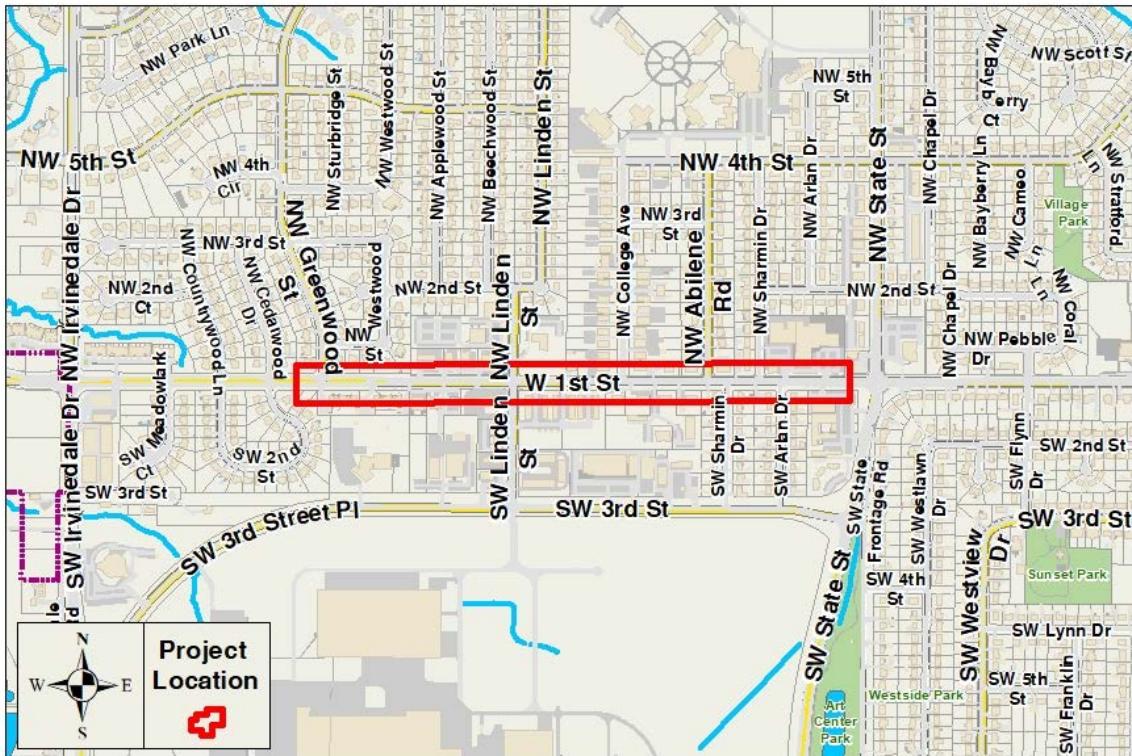
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-22-003**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 at the entrance of the existing north parking lot of 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 significant deteriorated pavement along the NW 18th Street corridor, along with providing additional turning capacity to improve traffic safety and mobility at major intersections. The project will also improve mobility for ingress and egress traffic using the parking lot in the northern portion of the PRSC. 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 driveway, and a traffic signal. The traffic signal will operate in coordination with the existing 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 access (e.g. landscaping, monument sign) in 2028.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------|------|---------|---------|-----------|-----------|
| Engineering-Design | | | 100,000 | 415,000 | | 515,000 |
| Engineering-Construction Services | | | | | 350,000 | 350,000 |
| Construction Costs | | | | | 4,325,000 | 4,325,000 |
| Street Lighting | | | | | 100,000 | 100,000 |
| Land/ROW Acquisition | | | | 10,000 | | 10,000 |
| Total | | | 100,000 | 425,000 | 4,775,000 | 5,300,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|------|------|---------|---------|-----------|-----------|
| G.O. Bonds | | | 100,000 | 425,000 | 4,775,000 | 5,300,000 |
| Total | | | 100,000 | 425,000 | 4,775,000 | 5,300,000 |

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. The impact will not be realized until after construction, beginning in 2028. Widening the PRSC driveway will add pavement maintenance costs for the City's Parks & Recreation Department. Adding turn lanes on NW 18th Street will increase snow removal costs for the Public Works Department, as well as maintenance and power costs for the traffic signal.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-23-001

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

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 North Ankeny Boulevard, between 1st Street and 11th Street.

Justification

Iowa DOT had planned a PCC inlay for northbound North Ankeny Boulevard, between 1st Street and 5th Street; and a PCC inlay for southbound North Ankeny Boulevard, between 1st Street and 11th Street, in 2025. Iowa DOT agreed to expand the scope of their project to include right-turn lanes on North Ankeny Boulevard and the side streets, with the City's streetscaping and traffic signal improvements at the 5th, 9th, and 11th Street intersections and in the medians. Iowa DOT will be responsible for the costs associated with designing and constructing the PCC inlays and right-turn lanes on North 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 streetscaping and traffic signal improvements at the intersections and in the medians. The landscaping improvements at the intersections and in the medians would be completed as a separate City project in 2026. Applying for Iowa Clean Air Attainment Program (ICAAP) funding for the project will be considered.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|------------------|----------------|-------------|------------------|
| Engineering-Design | 500,000 | 55,000 | | | | 555,000 |
| Engineering-Construction Services | | | 120,000 | 30,000 | | 150,000 |
| Construction Costs | | | 3,975,000 | 300,000 | | 4,275,000 |
| Land/ROW Acquisition | | 150,000 | | | | 150,000 |
| Other Costs | | | 225,000 | | | 225,000 |
| Total | 500,000 | 205,000 | 4,320,000 | 330,000 | | 5,355,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|----------------|------------------|----------------|-------------|------------------|
| FHWA/IDOT Grants | 250,000 | 20,000 | 2,450,000 | | | 2,720,000 |
| G.O. Bonds | 250,000 | 185,000 | 1,870,000 | 330,000 | | 2,635,000 |
| Total | 500,000 | 205,000 | 4,320,000 | 330,000 | | 5,355,000 |

Budget Impact/Other

Iowa DOT is responsible for maintenance and snow removal on U.S. Highway 69, 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|--------------|--------------|
| Maintenance Costs | | | | 250 | 750 | 1,000 |
| Utilities | | | | | 1,000 | 1,000 |
| Total | | | | 250 | 1,750 | 2,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

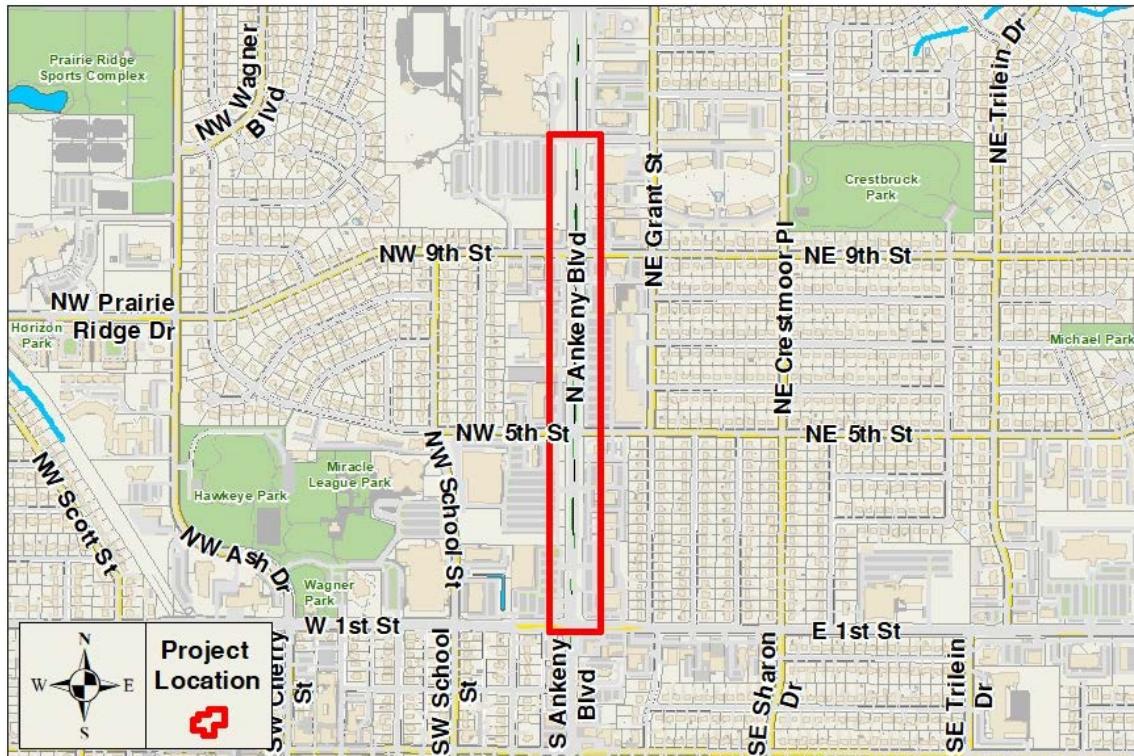
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-001**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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 (three-lane, four-lane divided, or five-lane) with left and right turn lanes, 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 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 I-35. The project's construction would be completed over the course of either one or two years, depending upon the scope of improvements needed. The project is planned for the traffic study, conceptual design, and survey to occur in 2027; preliminary design, final design, and utility relocations in 2028; construction in 2029 possibly 2030; and the landscaping improvements in either 2030 or 2031. Property acquisitions are assumed to be limited to temporary construction easements only. The City will likely apply for Federal-aid STBG funding through the Des Moines Area MPO to assist with funding the construction of the project.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|------|------|------|------|---------|---------|
| Engineering-Design | | | | | 250,000 | 250,000 |
| Total | | | | | 250,000 | 250,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | | | | | 250,000 | 250,000 |
| Total | | | | | 250,000 | 250,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

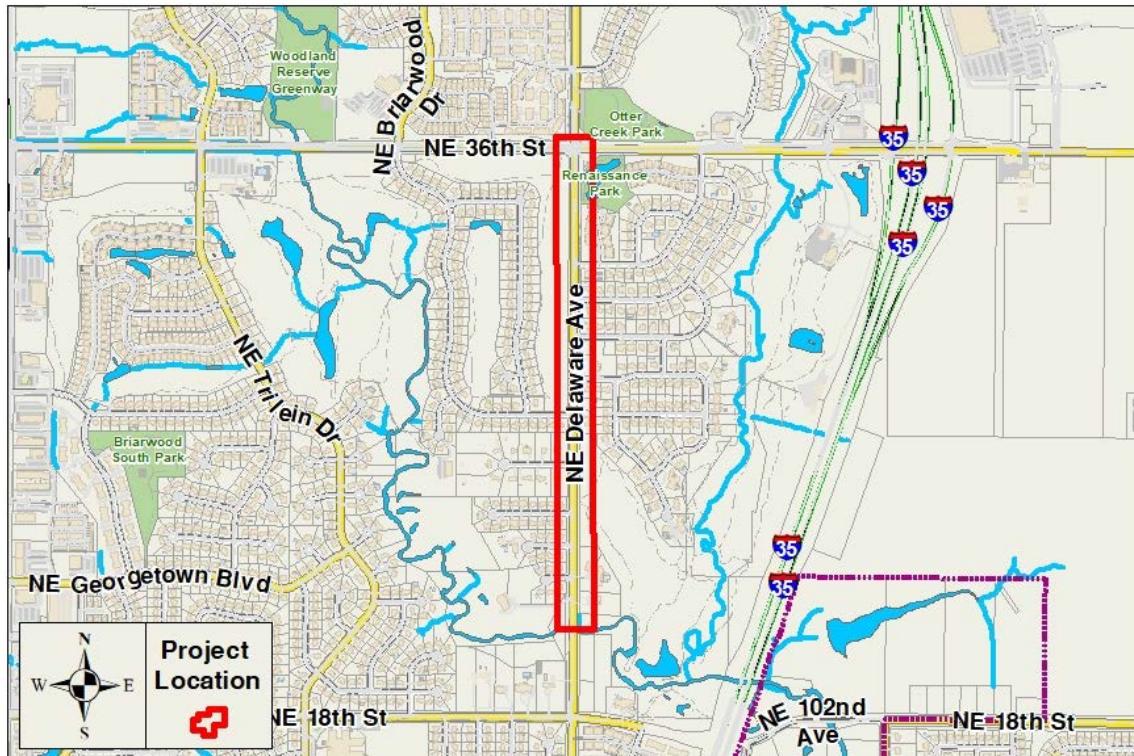
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-002**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Project # STR-23-003

Project Name NW State Street Corridor Improvements Study

Description

NW State Street from West 1st Street to NW 18th Street is currently an undivided four-lane major arterial street with dedicated left turn lanes only at the West 1st Street and NW 18th Street intersections. There are existing traffic signals at the West 1st Street, NW Prairie Ridge Drive, and NW 18th Street intersections. City of Ankeny traffic count data from 2021 shows this corridor has almost 12,000 vehicles per day traveling upon it.

From north of West 1st Street to the High Trestle Trail (HTT) crossing (south half of the corridor), the travel lanes are 11' wide with no curb and gutter section, and the existing right-of-way is only 80' wide. The pavement is approaching the end of its useful life, having been constructed in the early 1970's, and is showing signs of significant deterioration. As a part of the Study, it is anticipated that the south half of the corridor would have its right-of-way widened, and the existing four-lane street would be reconstructed to a five-lane street. The addition and/or lengthening of left turn lanes on the side streets along with potentially adding a traffic signal at the NW 9th Street intersection would also be analyzed.

From the HTT crossing to NW 18th Street (north half of the corridor), the travel lanes are 12' wide with no curb and gutter section, and the existing right-of-way is 120' wide. The pavement was constructed in the late 1990's, and it is showing signs of significant deterioration at the transverse joints. As a part of the Study, it is anticipated that the north half of the corridor would receive full depth patching at the transverse joints, and the existing four-lane street would be widened to a five-lane street. The addition and/or lengthening of left turn lanes on the side streets along with upgrading the traffic signal at the NW Prairie Ridge Drive intersection would also be analyzed.

Justification

This Study would analyze traffic patterns, volumes and crash history to determine if additional turn lanes are needed on NW State Street and/or at the side street intersections; if widening NW State Street from four lanes to five lanes is necessary; and if any intersections warrant the addition of traffic signals. The Study would also recommend any pavement rehabilitation methods that could be used to repair the existing deteriorating concrete pavement or if full reconstruction is needed on either the south or north half of the corridor, along with determining what storm sewer improvements are needed. Pending the results of the Study, it is anticipated that there would be two separate, future improvement projects: (1) NW State Street from West 1st Street to the HTT crossing; and (2) NW State Street from the HTT crossing to NW 18th Street. Based on the recommendations of the Study, a possible project development schedule for the north half of the corridor would be: 2024 survey; 2025 consultant design, right-of-way acquisition, and utility relocations; and 2026 construction and consultant inspection. The schedule for the south half of the corridor would be dependent upon the Municipal Utilities Department's need to upgrade the existing 6" water main along the west side of NW State Street from West 1st Street to NW 10th Street to a 12" water main, with construction currently programmed for 2027.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------|------|----------------|------|------|------|----------------|
| Planning Study | | 100,000 | | | | 100,000 |
| Total | | 100,000 | | | | 100,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|------|----------------|------|------|------|----------------|
| Road Use Tax Fund | | 100,000 | | | | 100,000 |
| Total | | 100,000 | | | | 100,000 |

Budget Impact/Other

This project is only a study; therefore, there are no operating impacts.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

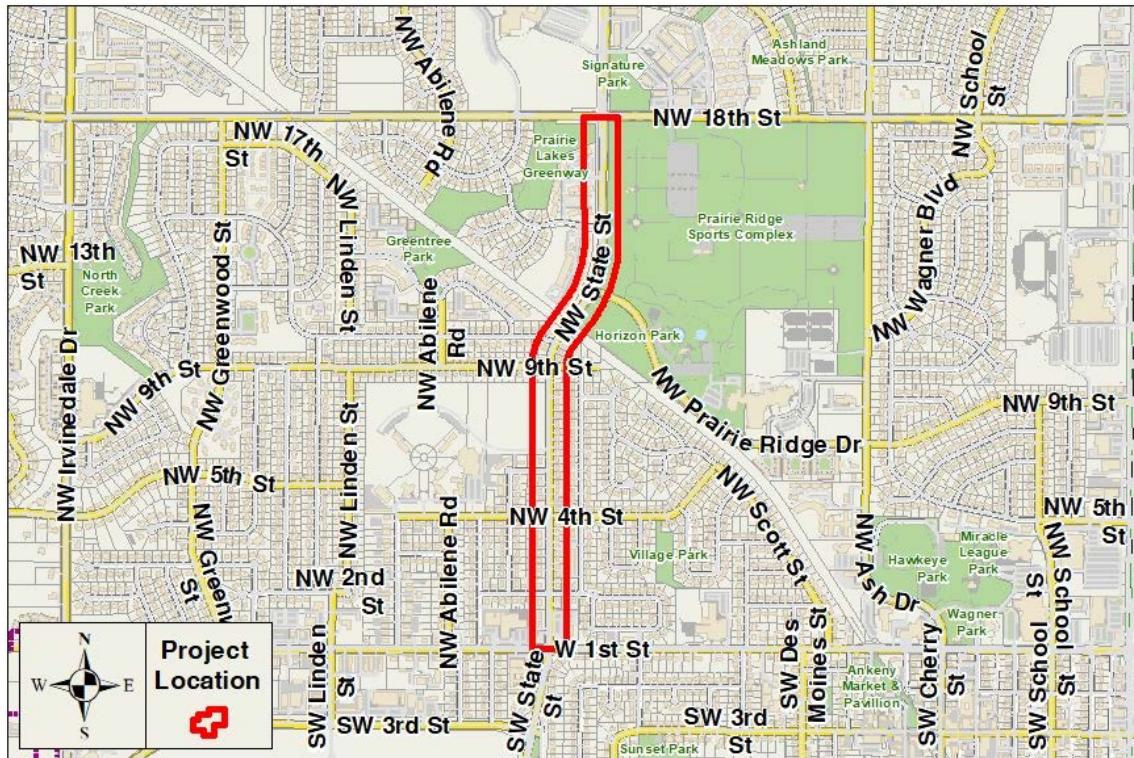
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-003**

Project Name **NW State Street Corridor Improvements Study**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Project # **STR-23-004**

Project Name **NW State Street Extension Preliminary Design**

Description

This project includes the survey, traffic study, and preliminary design of the NW State Street extension from NW 36th Street to NW Irvindale Drive at the NW 54th Street/County NW 126th Avenue intersection. The preliminary design will be based on a 4-lane divided roadway with left and right turn lanes, where necessary as determined by the traffic study. Preliminary design will also include storm sewer, water main, sanitary sewer, traffic signal, and pedestrian facilities.

Justification

A study was performed in 2017 to evaluate alignments for the NW State Street extension from NW 36th Street to NW Irvindale Drive at the NW 54th Street/County NW 126th Avenue intersection. The study assessed potential land use, drainage, environmental and access impacts to aid the City in making decisions regarding the street extension and future development. The study identified a preferred horizontal alignment for NW State Street that will be used as the basis for the survey, traffic study and preliminary design.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| Planning Study | 500,000 | | | | | 500,000 |
| Total | 500,000 | | | | | 500,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|-------------|-------------|-------------|-------------|----------------|
| G.O. Bonds | 500,000 | | | | | 500,000 |
| Total | 500,000 | | | | | 500,000 |

Budget Impact/Other

Since this is only for the project's preliminary design, there are no operating impacts at this time.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

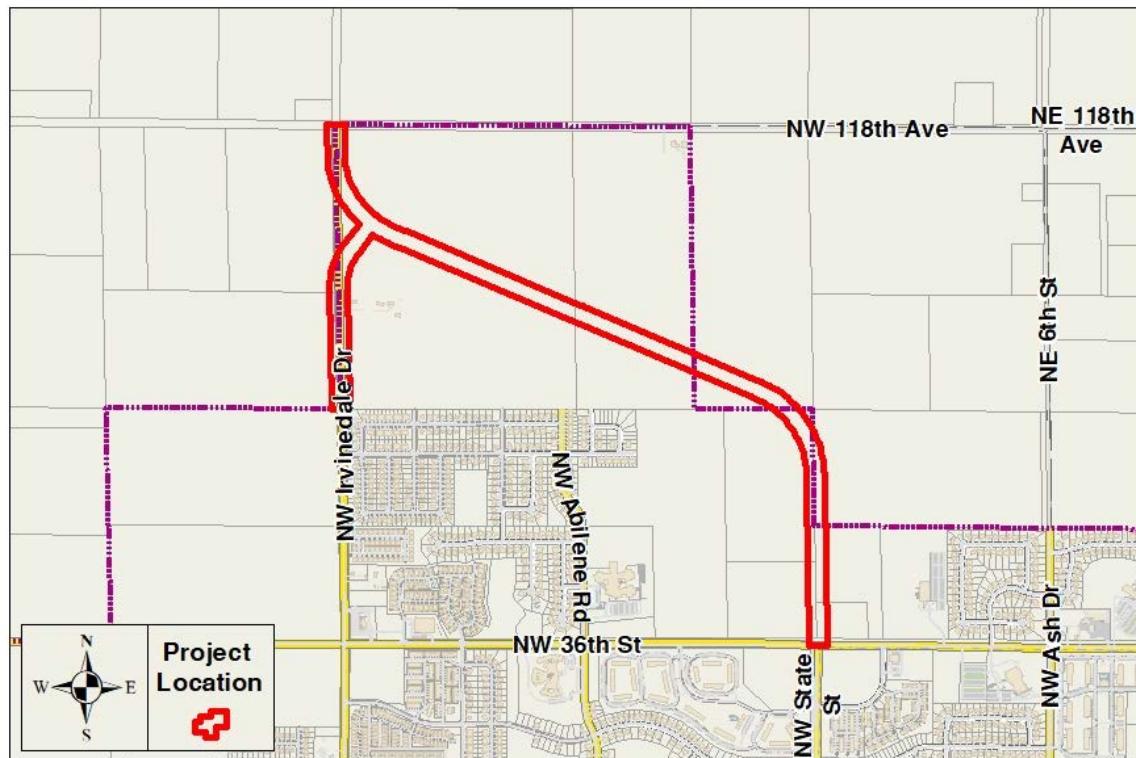
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-004**

Project Name **NW State Street Extension Preliminary Design**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 South Ankeny Boulevard 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, storm sewer, possibly water main, possibly sanitary sewer, the traffic signal at SE 3rd Street and subsequent fiber optic interconnect. Consultant-led survey, design and utility relocation coordination is expected to occur from 2023 to 2025 with construction programmed for 2026.

Justification

A study was completed in 2020 documenting the traffic operations and safety issues and recommended improvements to South Ankeny Boulevard from SW Ordnance Road to 1st Street. The study also recommended improving access management and safety due to the frequency of access points to adjacent properties. This project is the first phase of improvements to South Ankeny Boulevard. It is anticipated that there will be a future improvement project between SE Peterson Drive and SW Ordnance Road. The Iowa DOT has proposed 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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|----------------|------------------|-------------|------------------|
| Engineering-Design | 200,000 | 400,000 | 150,000 | | | 750,000 |
| Engineering-Construction Services | | | | 500,000 | | 500,000 |
| Construction Costs | | | | 5,000,000 | | 5,000,000 |
| Street Lighting | | | | 150,000 | | 150,000 |
| Land/ROW Acquisition | | | 225,000 | | | 225,000 |
| Total | 200,000 | 400,000 | 375,000 | 5,650,000 | | 6,625,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|----------------|----------------|------------------|-------------|------------------|
| FHWA/IDOT Grants | | | 225,000 | 5,500,000 | | 5,725,000 |
| G.O. Bonds | 200,000 | 400,000 | 150,000 | 150,000 | | 900,000 |
| Total | 200,000 | 400,000 | 375,000 | 5,650,000 | | 6,625,000 |

Budget Impact/Other

The Iowa DOT maintains South 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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

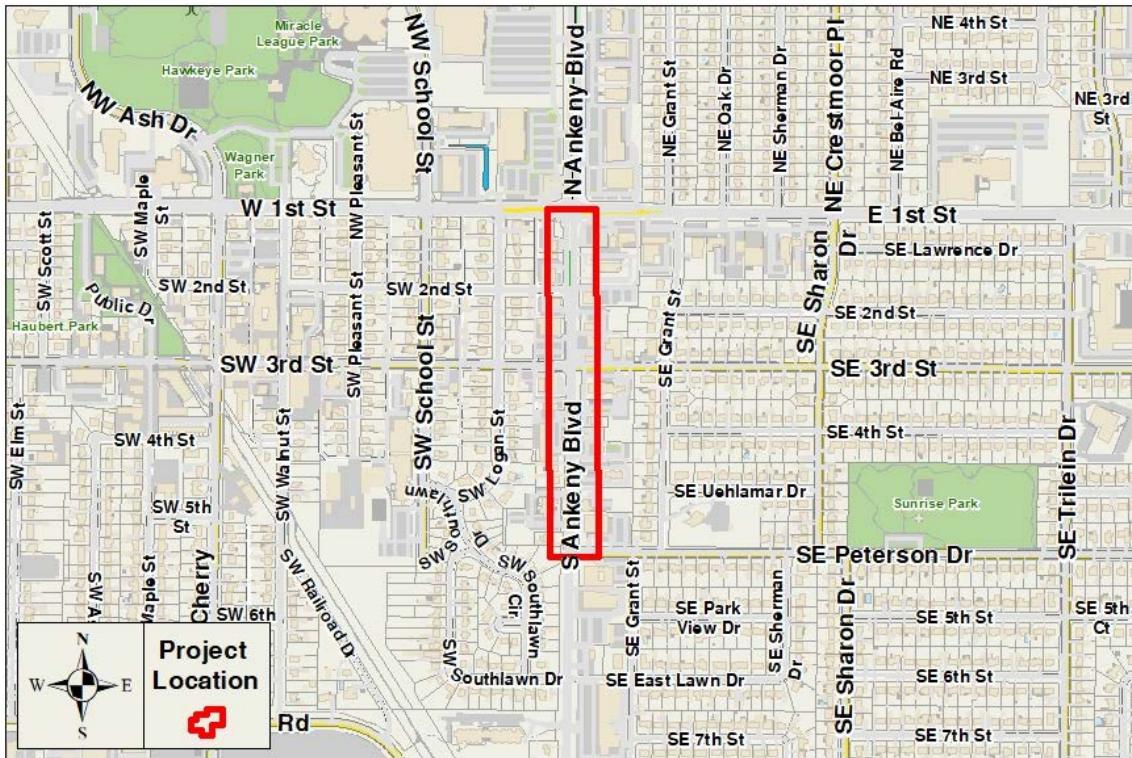
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-005**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|---------------|----------------|-------------|-------------|-------------|----------------|
| Engineering-Design | 60,000 | | | | | 60,000 |
| Engineering-Construction Services | | 40,000 | | | | 40,000 |
| Construction Costs | | 500,000 | | | | 500,000 |
| Land/ROW Acquisition | | 10,000 | | | | 10,000 |
| Total | 60,000 | 550,000 | | | | 610,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| G.O. Bonds | 60,000 | 550,000 | | | | 610,000 |
| Total | 60,000 | 550,000 | | | | 610,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Maintenance Costs | | | 100 | 100 | 100 | 300 |
| Total | | | 100 | 100 | 100 | 300 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

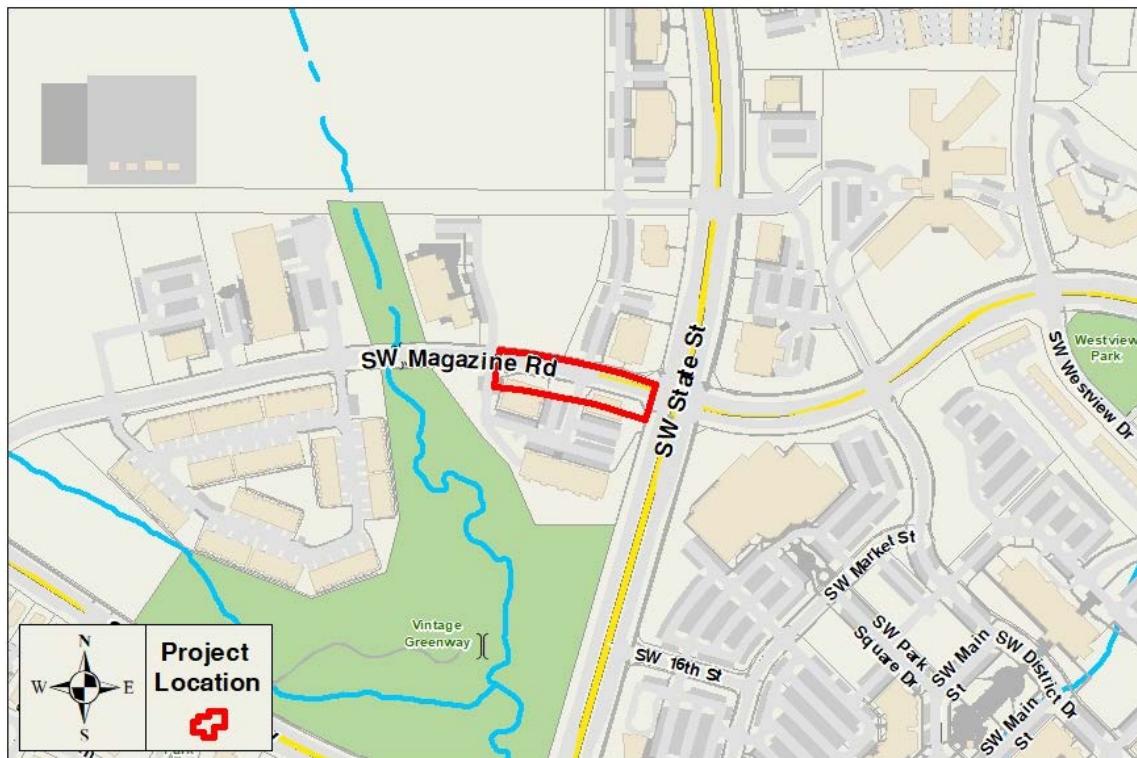
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **STR-23-006**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Traffic Control

Project # TRF-00-001

Project Name Annual Traffic Signal Improvement Program

Description

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

2023 – NW 36th Street Fiber Optic Redundancy - \$50,000 (construction and materials, in-house design and administration)
 2023 – High Trestle Trail Crossing Rectangular Rapid Flashing Beacons (RRFB), SE Magazine Drive and SE Shurfine Drive - \$20,000 per site (materials and installation), \$40,000 (total)
 2023 – NW Prairie Ridge Drive/Ash Drive/9th Street intersection, concept study - \$35,000
 2023 – SE Oralabor Road and Convenience Boulevard/Creekyview Drive, traffic signal replacement - \$30,000 (consultant design), \$350,000 (construction and materials), and \$20,000 (consultant construction administration and observation)
 2023 – School Walkability Improvements - Pedestrian ramp upgrades - \$100,000; School Speed Zone Beacons (Heritage Elementary School and St. Lukes the Evangelist Catholic School) - \$60,000; Rectangular Rapid Flashing Beacons (3 sets, \$60,000)
 2023 – SE Delaware Avenue and SE 54th Street, new traffic signal - \$80,000 (design and inspection), \$300,000 (construction and materials)
 2024 through 2027 – Traffic signal project, to be determined - \$100,000 (design and inspection), \$450,000 (construction and materials)
 2023 through 2027 – Miscellaneous upgrades associated with other City projects - \$80,000
 2023 through 2027 – Cost sharing for traffic signal improvements related to private development projects - \$300,000
 2024 through 2027 – Existing traffic signal infrastructure replacement - \$250,000
 2024 through 2027 – Traffic signal and fiber optic projects - \$550,000 - \$885,000

Justification

An effective and efficient traffic signal 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. Several traffic signal installations are being constructed with development in 2022 and 2023. Traffic counts in September 2022 and review of crash experience will identify intersections for signalization in year 2024 and beyond. There is potential to obtain federal and/or state funding for traffic signals proposed at intersections with state highways.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|------------------|----------------|----------------|------------------|------------------|------------------|
| Engineering-Design | 130,000 | 100,000 | 100,000 | 135,000 | 150,000 | 615,000 |
| Construction Costs | 1,150,000 | 890,000 | 890,000 | 890,000 | 1,140,000 | 4,960,000 |
| Planning Study | 35,000 | | | | | 35,000 |
| Total | 1,315,000 | 990,000 | 990,000 | 1,025,000 | 1,290,000 | 5,610,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|------------------|----------------|----------------|------------------|------------------|------------------|
| Capital Project Fund | 40,000 | | | | | 40,000 |
| G.O. Bonds | 875,000 | 740,000 | 740,000 | 775,000 | 1,040,000 | 4,170,000 |
| Road Use Tax Fund | 400,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,400,000 |
| Total | 1,315,000 | 990,000 | 990,000 | 1,025,000 | 1,290,000 | 5,610,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| Utilities | 4,300 | 5,500 | 6,100 | 6,700 | 7,300 | 29,900 |
| Total | 4,300 | 5,500 | 6,100 | 6,700 | 7,300 | 29,900 |

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Public Works
Contact City Engineer

Project # **TRF-00-001**

Project Name **Annual Traffic Signal Improvement Program**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Traffic Control

Project # TRF-21-001

Project Name I-35 & SE Corp Woods Dr Interchange Justification

Description

Interchange Justification Report (IJR) as required by the Iowa Department of Transportation (DOT) and Federal Highway Administration (FHWA) for modification or reconstruction of the existing Interstate 35 interchange with SE Corporate Woods Drive.

Justification

When the Interstate 35 interchange with SE Corporate Woods Drive was constructed in 2004, traffic volumes were expected to reach 19,000 vehicles per day in 2025. Peak hour traffic counts from 2018 indicated the daily traffic volume had already exceeded 22,000 vehicles per day with 7-10% heavy truck traffic. With the on-going and expected industrial, warehousing and distribution land development in the southeast quadrant of the City, additional traffic demands are being placed on the interchange and additional capacity will be needed on entrance and exit ramps and on SE Corporate Woods Drive itself. The initial concept includes widening SE Corporate Woods Drive through the interchange and adding loop ramps for both the northbound and southbound I-35 entrances. The Iowa DOT will manage the project, and the City will cost share for the engineering services necessary to complete the IJR.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-------------------|----------------|------|------|------|------|----------------|
| Planning Study | 100,000 | | | | | 100,000 |
| Total | 100,000 | | | | | 100,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| FHWA/IDOT Grants | 50,000 | | | | | 50,000 |
| Road Use Tax Fund | 50,000 | | | | | 50,000 |
| Total | 100,000 | | | | | 100,000 |

Budget Impact/Other

The project is a report only, and therefore no operating impacts are expected.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

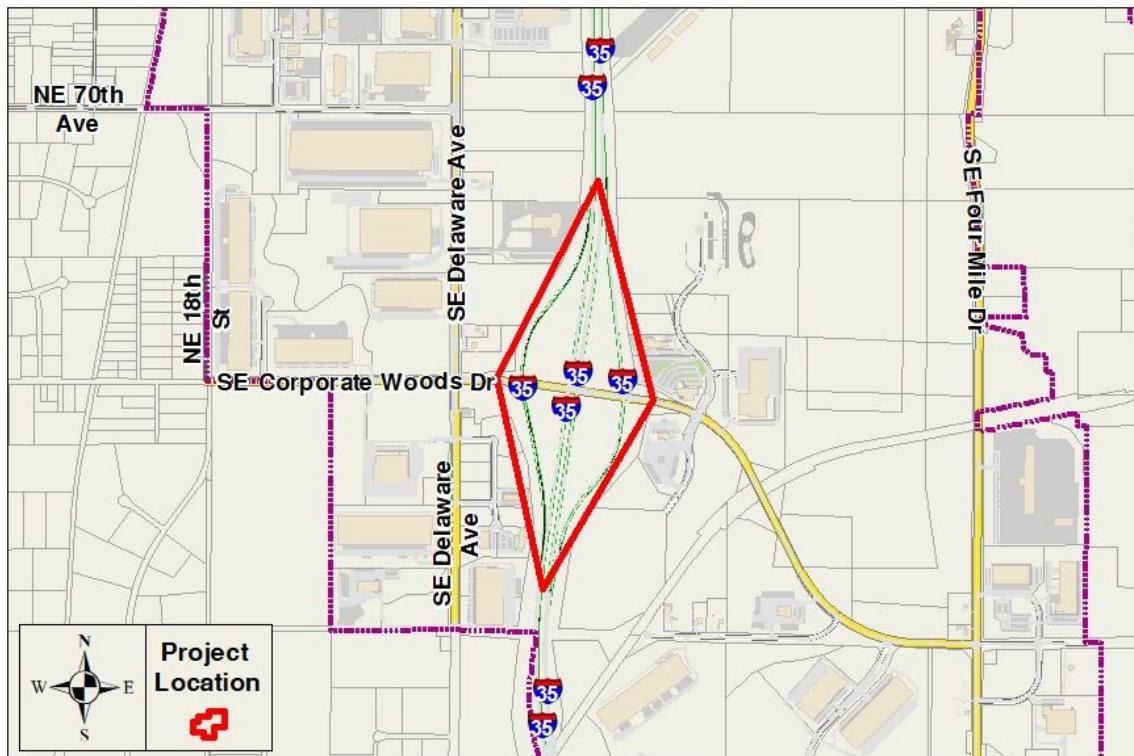
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **TRF-21-001**

Project Name **I-35 & SE Corp Woods Dr Interchange Justification**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Traffic Control

Project # TRF-23-001

Project Name Fiber Optic Network Upgrade

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 Master 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 preliminary design 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, followed by fiber optic cable placement, splicing, and terminating the fiber in 2027. Applying for Iowa Clean Air Attainment Program (ICAAP) funding for the project will be considered.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Engineering-Design | 200,000 | 200,000 | | | | 400,000 |
| Engineering-Construction Services | | | 30,000 | 30,000 | 60,000 | 120,000 |
| Construction Costs | | | 470,000 | 470,000 | 850,000 | 1,790,000 |
| Other Costs | | 425,000 | | | | 425,000 |
| Total | 200,000 | 625,000 | 500,000 | 500,000 | 910,000 | 2,735,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| G.O. Bonds | 200,000 | 625,000 | 500,000 | 500,000 | 910,000 | 2,735,000 |
| Total | 200,000 | 625,000 | 500,000 | 500,000 | 910,000 | 2,735,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

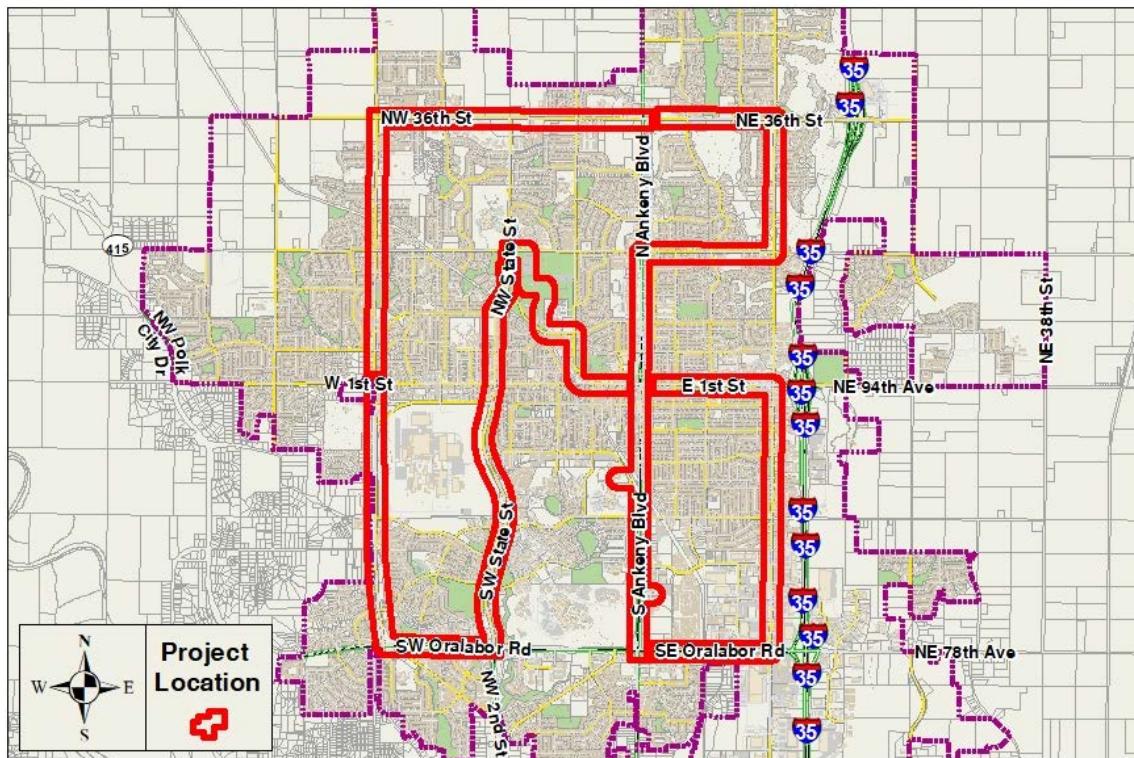
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **TRF-23-001**

Project Name **Fiber Optic Network Upgrade**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 & 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.

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. 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|---------------|----------------|------|------|------|----------------|
| Engineering-Design | 40,000 | | | | | 40,000 |
| Engineering-Construction Services | | 5,000 | | | | 5,000 |
| Construction Costs | | 280,000 | | | | 280,000 |
| Other Costs | | 100,000 | | | | 100,000 |
| Total | 40,000 | 385,000 | | | | 425,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------|---------------|----------------|------|------|------|----------------|
| G.O. Bonds | 40,000 | 305,000 | | | | 345,000 |
| Private Contributions | | 80,000 | | | | 80,000 |
| Total | 40,000 | 385,000 | | | | 425,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------------|------------|------------|------------|
| Utilities | | | 300 | 300 | 300 | 900 |
| Total | | | 300 | 300 | 300 | 900 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

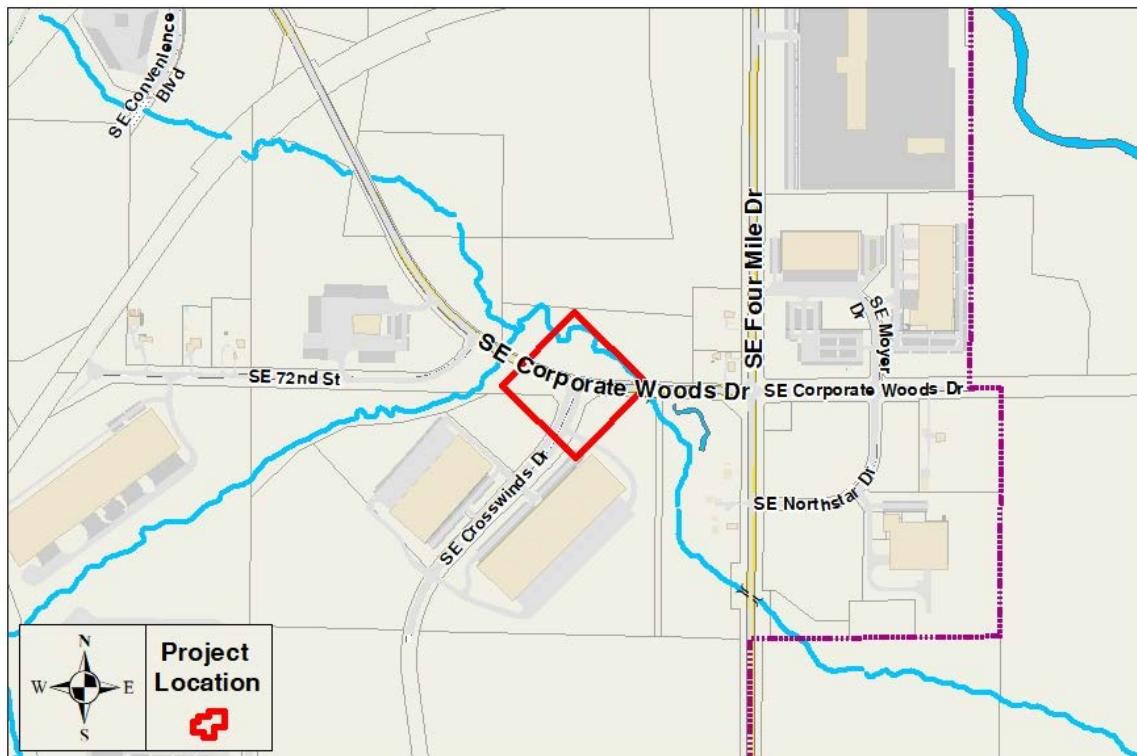
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # **TRF-23-002**

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



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

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 2023 to 2027 include the following:

- Development water main oversizing: 2023 to 2027 – \$125,000 for 2023 then \$100,000/year
- 1/3 NW Northlawn Area Utility Improvements (3 of 4 Phases Remaining): 2023 - \$600,000 (Phase 2 Construction) and \$15,000 (Phase 2 Construction Engineering) and \$25,000 (Phase 3 Design Engineering); 2024 - \$450,000 (Phase 3 Construction) and \$15,000 (Phase 3 Construction Engineering) and \$30,000 (Phase 4 Design Engineering); 2025 - \$520,000 (Phase 4 Construction) and \$25,000 (Phase 4 Construction Engineering)
- 1/3 Original Ankeny Area Utility Improvements (number of phases still TBD): 2024 - \$30,000 (Survey and Conceptual Design); 2025 - \$60,000 (Phase 1 Design Engineering); 2026 - \$600,000 (Phase 1 Construction) and \$30,000 (Phase 1 Construction Engineering) and \$30,000 (Phase 2 Design Engineering); 2027 - \$600,000 (Phase 2 Construction) and \$30,000 (Phase 2 Construction Engineering) and \$30,000 (Phase 3 Design Engineering)

Justification

The water main proposed for replacement are primarily 4" 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 Original Ankeny 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" main that will be cost shared for several upcoming projects along major corridors.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Engineering-Design | 25,000 | 30,000 | 60,000 | 30,000 | 30,000 | 175,000 |
| Engineering-Construction Services | 15,000 | 15,000 | 25,000 | 30,000 | 30,000 | 115,000 |
| Construction Costs | 725,000 | 550,000 | 620,000 | 700,000 | 700,000 | 3,295,000 |
| Survey/Preliminary Analysis | | 30,000 | | | | 30,000 |
| Total | 765,000 | 625,000 | 705,000 | 760,000 | 760,000 | 3,615,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Capital Project Fund | 165,000 | 25,000 | 105,000 | 160,000 | 160,000 | 615,000 |
| Water Fund | 600,000 | 600,000 | 600,000 | 600,000 | 600,000 | 3,000,000 |
| Total | 765,000 | 625,000 | 705,000 | 760,000 | 760,000 | 3,615,000 |

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.

2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Water Utility
Contact Municipal Utilities Director

Project # **WTM-00-001**

Project Name **Annual Water Main Replacement Program**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Mains

Project # WTM-17-001

Project Name High Trestle Trail Transmission Main

Description

Install approximately 9,900 LF of 24" transmission water main along the High Trestle Trail and abandoned railroad grade from the Ash Water Tower north to NW 18th Street and then west along NW 18th Street to NW Irvinedale Drive. This project will complete the 24" water main loop to the NW Booster Station. This project will be coordinated with a storm water project in the same area.

Justification

The purpose of this project is to improve the performance and operation of our overall water system by allowing the southwest and east pressure zones to be combined into one zone. This transmission main will allow the NW Booster Station to draw suction supply water from both water towers as needed. This will supply the booster station with adequate water for full build out of the area in the northwest quadrant of Ankeny.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------|------|------|------|------------------|
| Engineering-Construction Services | 386,000 | | | | | 386,000 |
| Construction Costs | 3,860,000 | | | | | 3,860,000 |
| Land/ROW Acquisition | 8,000 | | | | | 8,000 |
| Total | 4,254,000 | | | | | 4,254,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|----------------------|------------------|------|------|------|------|------------------|
| Capital Project Fund | 4,254,000 | | | | | 4,254,000 |
| Total | 4,254,000 | | | | | 4,254,000 |

Budget Impact/Other

This is a new transmission main, it is not a replacement. Based on the HDR model, we will no longer have to throttle flows from DMWW to fill or drain the SW Water Tower now that we will have a looped 24" transmission main. Both towers should operate as one and we will only have two pressure zones including the normal city pressure we have always had and the boosted pressure in the northwest part of town. It will take almost 2,800,000 gallons to fill and flush the new main.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|--------------|------|------|------|------|--------------|
| Utilities | 8,400 | | | | | 8,400 |
| Total | 8,400 | | | | | 8,400 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

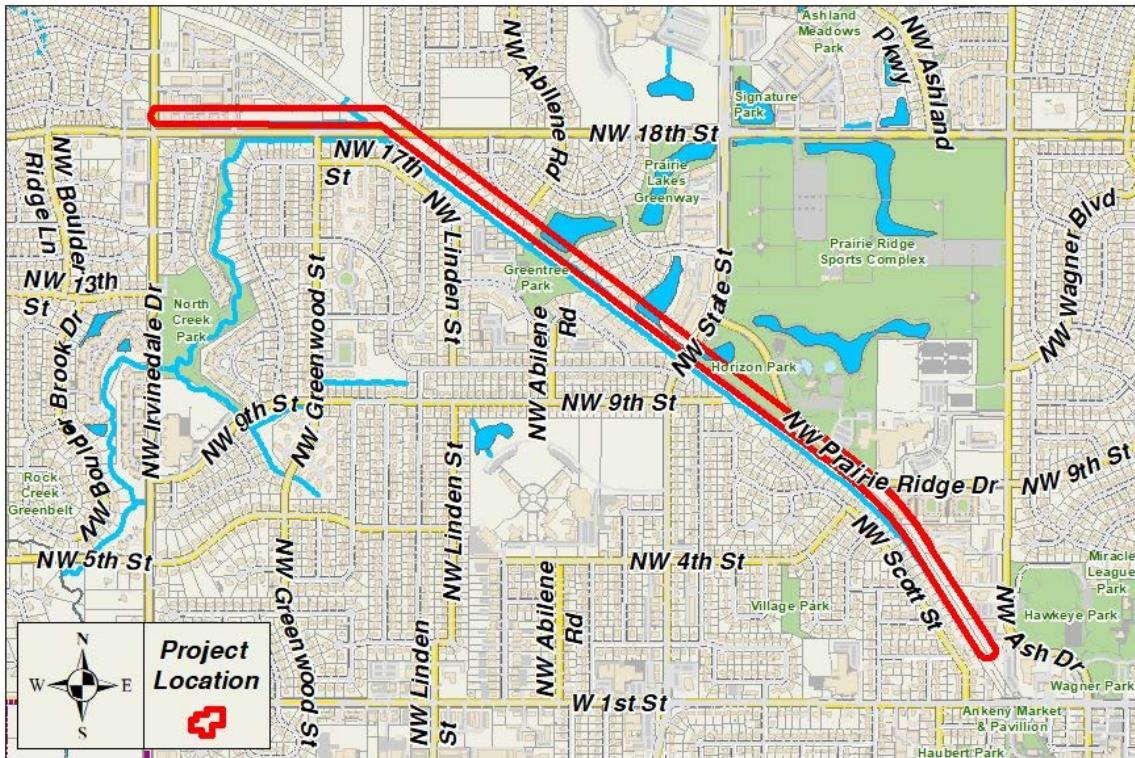
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTM-17-001**

Project Name **High Trestle Trail Transmission Main**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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" 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" water main to provide water to Polk City allowing all of the 24" 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 the City.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------------|------|----------------|------|------|------|----------------|
| Legal-General/Spec. Assessment | | 1,000 | | | | 1,000 |
| Other Costs | | 603,000 | | | | 603,000 |
| Total | | 604,000 | | | | 604,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | 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 we are just purchasing the remaining capacity within the existing 24" water main, there are no expected costs for an operational impact.

2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

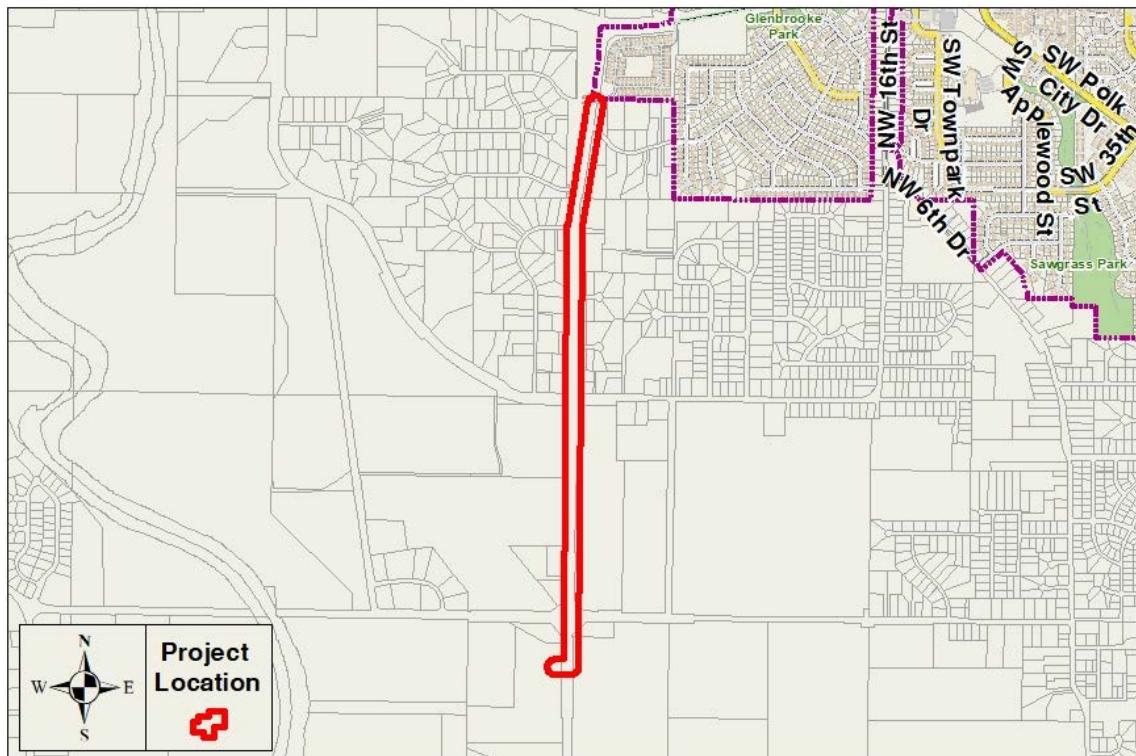
2023 *thru* 2027

Department Water Utility

Contact Municipal Utilities Director

Project # WTM-17-008

Project Name Saylorville Feeder Main Purchase Capacity



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Mains

Project # WTM-18-001

Project Name South Ankeny Boulevard Transmission Main

Description

Install approximately 5,500 LF of 24" transmission main along South Ankeny Boulevard from SW Magazine Road south to SE Oralabor Road and a new main across Ankeny Boulevard. This section of transmission main will complete the line from our Polk County meter pit to the Ash Water Tower.

Justification

This section of 24" transmission main will loop both of our 24" connections to DMWW source water. This line connects all of our water towers and the NW Booster station with a redundant source water. This allows us to have non-interrupted source water if any of the pump stations or transmission mains are out of service.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------------------|------|------|------|------|------------------|
| Engineering-Construction Services | 227,000 | | | | | 227,000 |
| Construction Costs | 2,710,000 | | | | | 2,710,000 |
| Land/ROW Acquisition | 13,000 | | | | | 13,000 |
| Total | 2,950,000 | | | | | 2,950,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|------------------|------|------|------|------|------------------|
| Water Revenue Bonds | 2,950,000 | | | | | 2,950,000 |
| Total | 2,950,000 | | | | | 2,950,000 |

Budget Impact/Other

This is a new transmission main, it is not a replacement. The existing distribution mains will remain in service after this project is complete. Larger diameter mains have fewer valves and hydrants installed, theoretically reducing maintenance cost. Because of the nature of a transmission main the water contained in them is almost constantly in motion, so the water quality should remain high. It will take almost 1,550,000 gallons to fill and flush the new main.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|--------------|------|------|------|------|--------------|
| Utilities | 4,650 | | | | | 4,650 |
| Total | 4,650 | | | | | 4,650 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

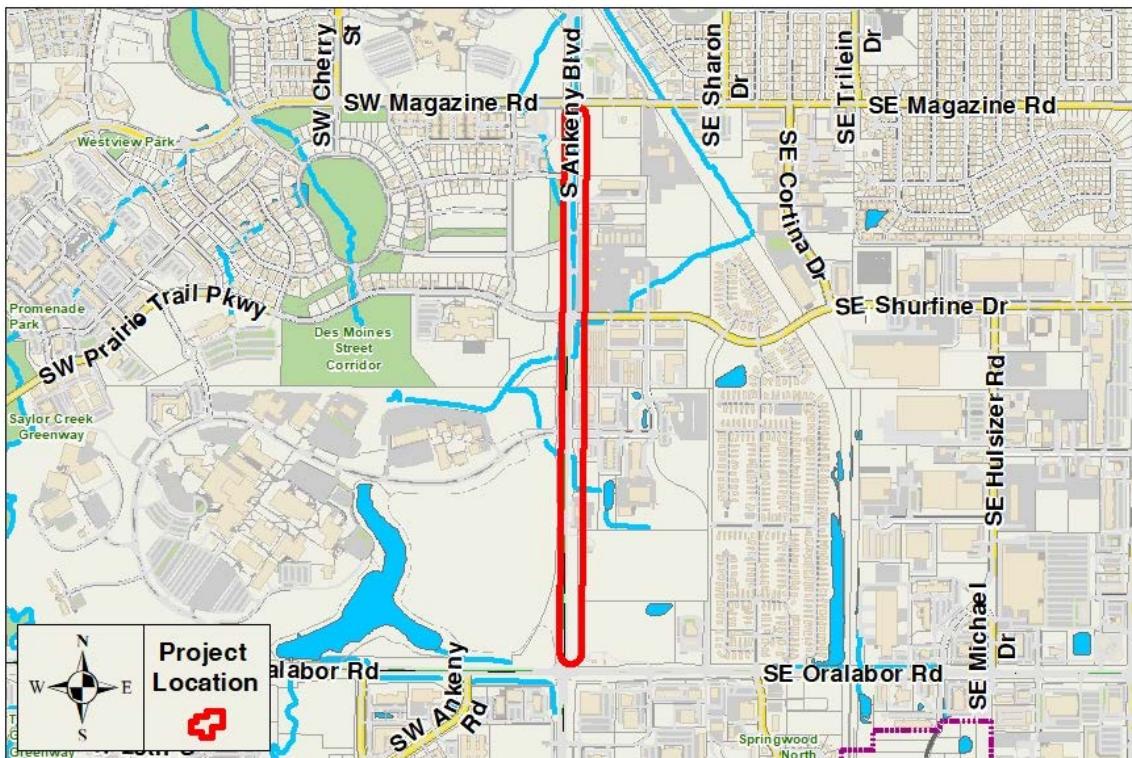
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTM-18-001**

Project Name **South Ankeny Boulevard Transmission Main**



2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

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 3,150 LF of 16" water main extension along the east side of South Ankeny Boulevard from just north of SW Ordnance Road to SE 3rd 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. Construction of this transmission main will help maintain system pressure and reduce maintenance issues within the service area.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|------|------|----------------|------------------|------|------------------|
| Engineering-Design | | | 222,000 | | | 222,000 |
| Engineering-Construction Services | | | | 148,000 | | 148,000 |
| Construction Costs | | | | 1,880,000 | | 1,880,000 |
| Total | | | 222,000 | 2,028,000 | | 2,250,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|------|------|----------------|------------------|------|------------------|
| Water Revenue Bonds | | | 222,000 | 2,028,000 | | 2,250,000 |
| Total | | | 222,000 | 2,028,000 | | 2,250,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

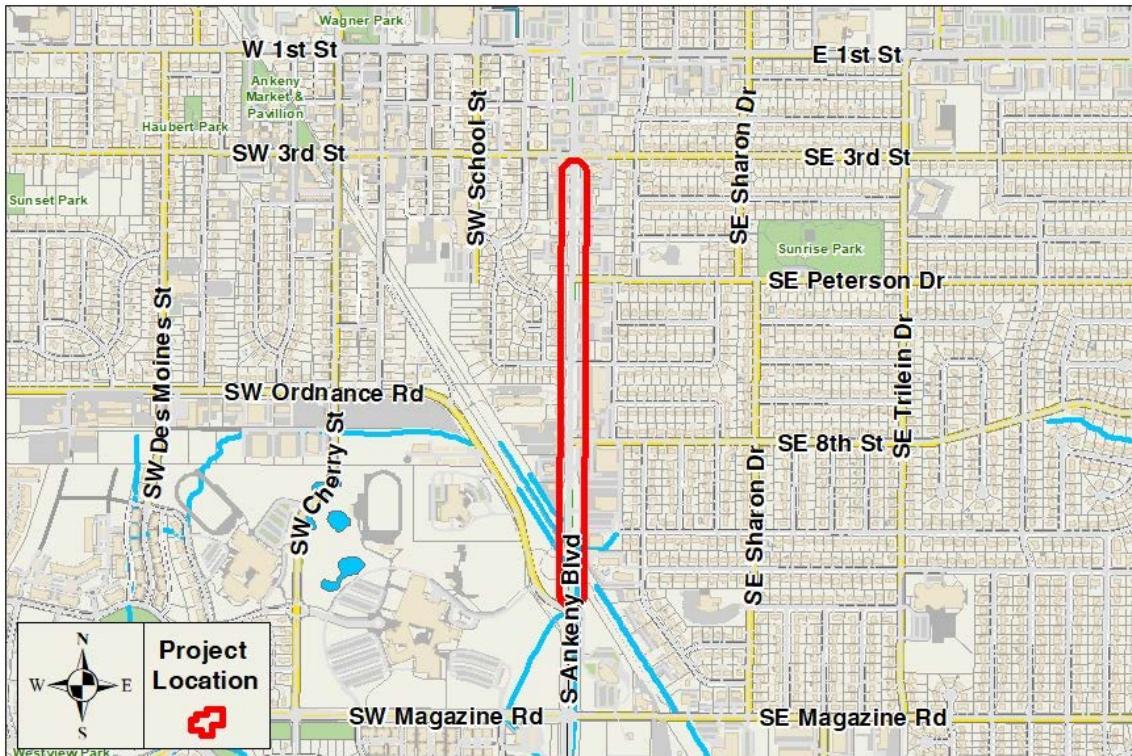
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTM-19-001**

Project Name **South Ankeny Boulevard Water Main Improvements**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Water Utility

Contact Municipal Utilities Director

Type New Construction

Useful Life 40 years

Category Water Mains

Project # WTM-19-003

Project Name NW State Street Water Main Improvements

Description

Install approximately 2,800 LF of 12" distribution water main on the west side of NW State Street from West 1st Street to NW 10th Street. There is an existing 6" water main in this section that needs to be upsized.

Justification

The purpose of this project is to connect the 12" distribution water main along NW State Street from West 1st Street to NW 10th Street in order to remove a bottleneck during high water demand periods and improve fire flows northwest of this location.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------------|------|------|------|---------|-----------|-----------|
| Engineering-Design | | | | 125,000 | | 125,000 |
| Engineering-Construction | | | | | 110,000 | 110,000 |
| Services | | | | | | |
| Construction Costs | | | | | 1,165,000 | 1,165,000 |
| Total | | | | 125,000 | 1,275,000 | 1,400,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|------|------|------|---------|-----------|-----------|
| Water Fund | | | | 125,000 | | 125,000 |
| Water Revenue Bonds | | | | | 1,275,000 | 1,275,000 |
| Total | | | | 125,000 | 1,275,000 | 1,400,000 |

Budget Impact/Other

This project was included in the 2016 Water Study Master Plan and the operating impact will have negligible cost implications as it will mostly help the fire flows in the area. It will also take about 400,000 gallons to fill and flush the new main.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------|------|------|-------|-------|
| Utilities | | | | | 1,200 | 1,200 |
| Total | | | | | 1,200 | 1,200 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

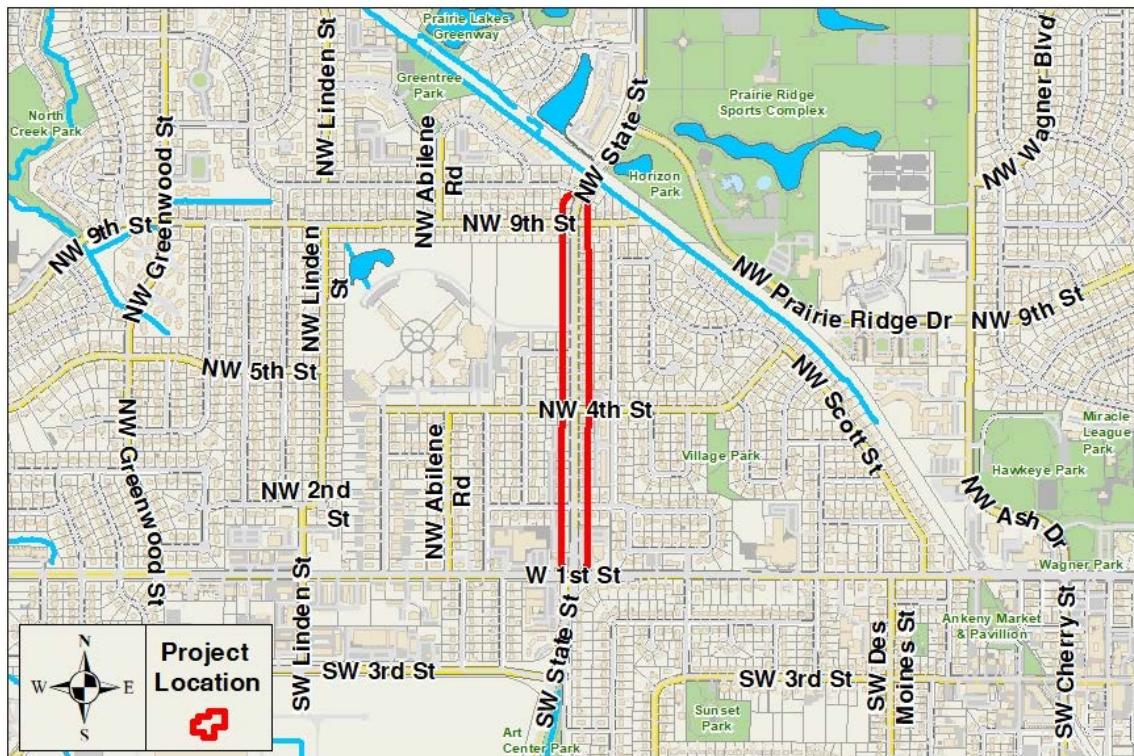
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTM-19-003**

Project Name **NW State Street Water Main Improvements**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 on 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 transmission/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.

| Expenditures | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|-----------|-----------|------|------------------|
| Engineering-Design | | 211,000 | | | | 211,000 |
| Engineering-Construction Services | | | 141,000 | | | 141,000 |
| Construction Costs | | | | 1,423,000 | | 1,423,000 |
| Total | 211,000 | 1,564,000 | | | | 1,775,000 |
| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Water Revenue Bonds | | 211,000 | 1,564,000 | | | 1,775,000 |
| Total | 211,000 | 1,564,000 | | | | 1,775,000 |

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.

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

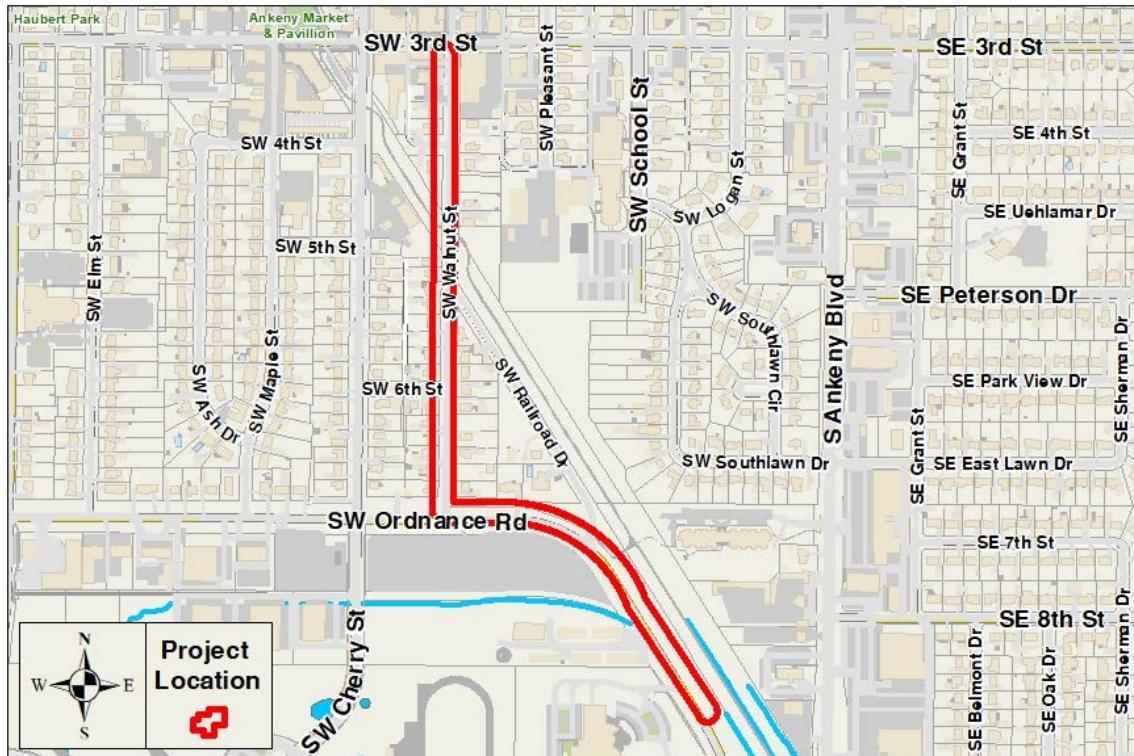
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTM-20-002**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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

Justification

This project will connect the 16" distribution main near the intersection of NE 36th Street and NE Four Mile Drive to the 16" distribution main near the intersection of NE 18th Street and 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|----------------|------------------|-----------|------|------|------------------|
| Engineering-Design | 250,000 | | | | | 250,000 |
| Engineering-Construction Services | | 250,000 | | | | 250,000 |
| Construction Costs | | | 2,472,000 | | | 2,472,000 |
| Land/ROW Acquisition | 3,000 | | | | | 3,000 |
| Total | 253,000 | 2,722,000 | | | | 2,975,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|----------------|------------------|------|------|------|------------------|
| Water Fund | 253,000 | | | | | 253,000 |
| Water Revenue Bonds | | 2,722,000 | | | | 2,722,000 |
| Total | 253,000 | 2,722,000 | | | | 2,975,000 |

Budget Impact/Other

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

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|--------------|------|------|------|--------------|
| Utilities | | 2,160 | | | | 2,160 |
| Total | | 2,160 | | | | 2,160 |

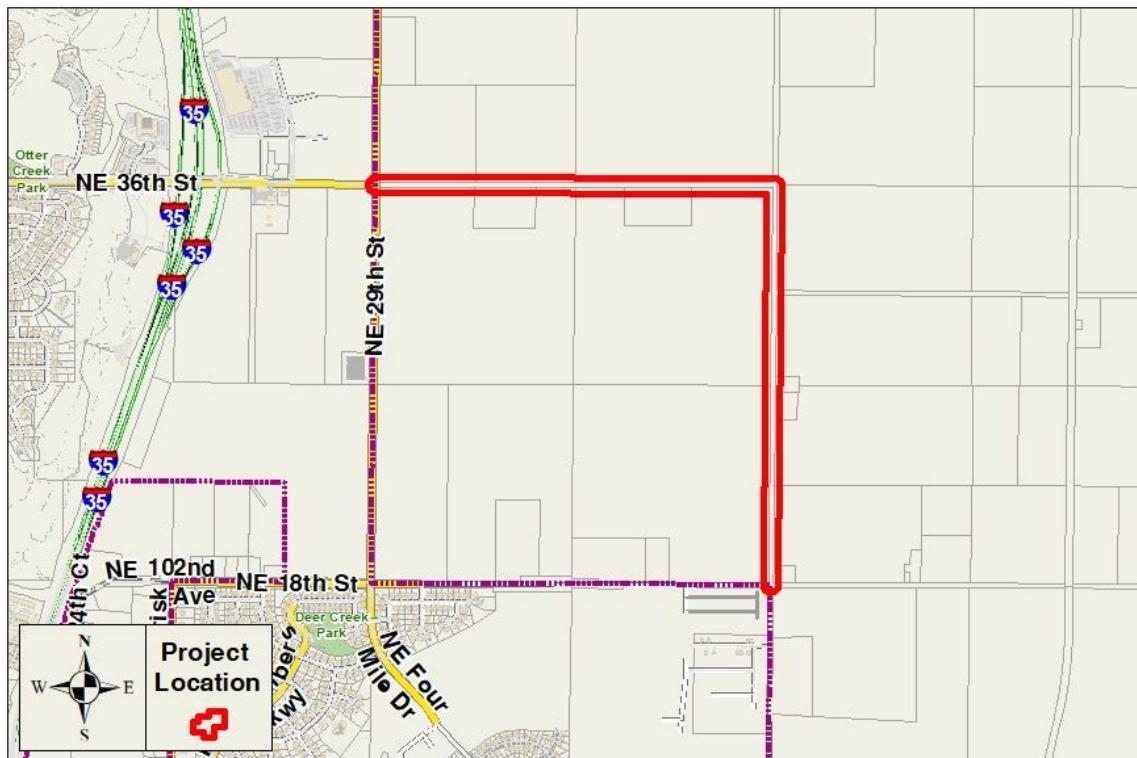
2023 - 2027 Capital Improvement Program
City of Ankeny, Iowa

2023 *thru* 2027

Department Water Utility
Contact Municipal Utilities Director

Project # **WTM-21-009**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|-------------------|------|------|------|------|-------------------|
| Engineering-Construction Services | 400,000 | | | | | 400,000 |
| Construction Costs | 10,520,000 | | | | | 10,520,000 |
| Vehicle/Equipment | 25,000 | | | | | 25,000 |
| Total | 10,945,000 | | | | | 10,945,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------------|------|------|------|------|-------------------|
| Water Revenue Bonds | 10,945,000 | | | | | 10,945,000 |
| Total | 10,945,000 | | | | | 10,945,000 |

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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|---------------|------|------|------|---------------|
| Utilities | | 15,000 | | | | 15,000 |
| Total | | 15,000 | | | | 15,000 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

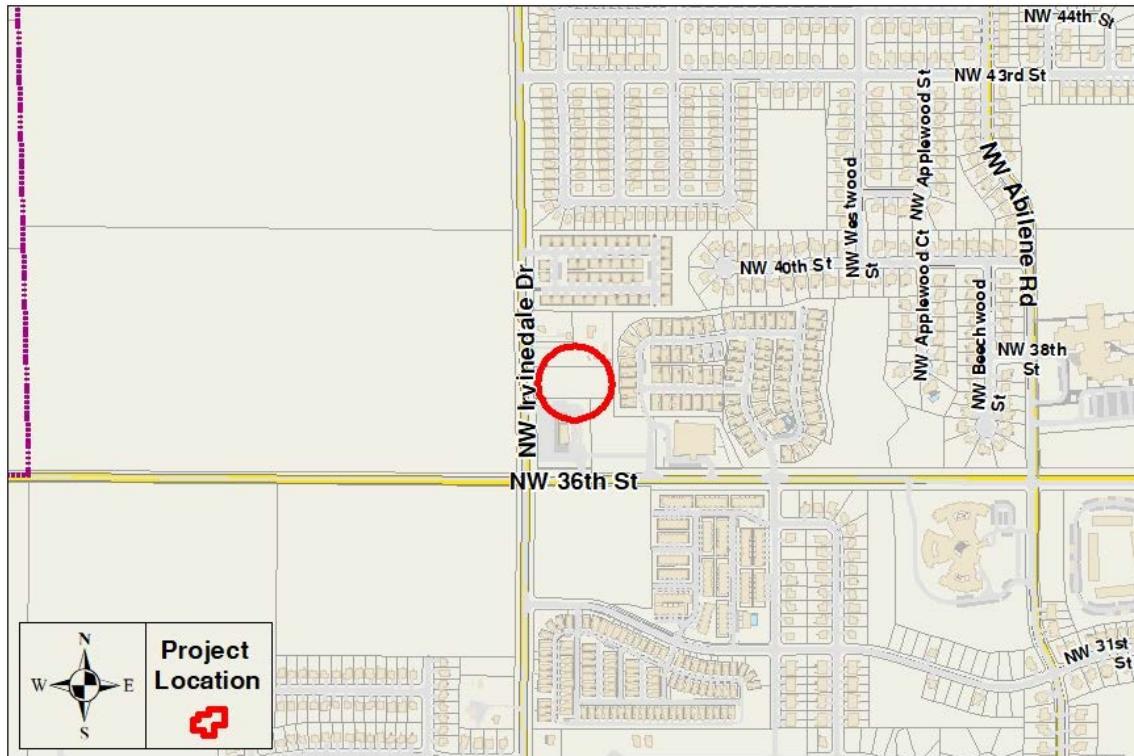
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTT-19-002**

Project Name **Northwest Water Tower**



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Water Utility

Contact Municipal Utilities Director

Type Maintenance

Useful Life 20 years

Category Water Towers/Storage

Project # WTT-20-001

Project Name SE Delaware Ground Storage Tank Repaint

Description

This project is to repaint the interior and exterior of the SE Delaware Ground Storage Tank. The existing paint is starting to show signs of wear as the usefulness of the existing coating is breaking down. Typically, one can expect painted surfaces to last in the 15-20 year range. This ground storage tank was last painted around the year 2000.

Justification

This project is needed to maintain the ability to provide safe and potable drinking water to Ankeny residents. Dixon Engineering completed a maintenance inspection and made recommendations to bring the tank into compliance with DNR rules and re-coat the exterior with containment system. This tank is showing signs of streaking and spotting rust in areas. 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------------|----------------|------|------|------|------|----------------|
| Engineering-Design | 60,000 | | | | | 60,000 |
| Construction Costs | 307,000 | | | | | 307,000 |
| Total | 367,000 | | | | | 367,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------|----------------|------|------|------|------|----------------|
| Water Fund | 367,000 | | | | | 367,000 |
| Total | 367,000 | | | | | 367,000 |

Budget Impact/Other

The operating impact will include approximately 150,000 gallons to flush out the existing tank.

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------------|------|------|------|------|------------|
| Utilities | 450 | | | | | 450 |
| Total | 450 | | | | | 450 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # WTT-20-001

Project Name SE Delaware Ground Storage Tank Repaint



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

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, one can expect painted surfaces to 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 our 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|-----------------------------------|---------------|----------------|------|------|------|----------------|
| Engineering-Design | 50,000 | | | | | 50,000 |
| Engineering-Construction Services | | 42,000 | | | | 42,000 |
| Construction Costs | | 612,000 | | | | 612,000 |
| Total | 50,000 | 654,000 | | | | 704,000 |

| Funding Sources | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|---------------|----------------|------|------|------|----------------|
| Water Fund | 50,000 | | | | | 50,000 |
| Water Revenue Bonds | | 654,000 | | | | 654,000 |
| Total | 50,000 | 654,000 | | | | 704,000 |

Budget Impact/Other

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

| Budget Items | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--------------|------|------------|------|------|------|------------|
| Utilities | | 900 | | | | 900 |
| Total | | 900 | | | | 900 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTT-20-002**

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



2023 - 2027 Capital Improvement Program

City of Ankeny, Iowa

2023 *thru* 2027

Department Water Utility

Contact Municipal Utilities Director

Type Improvement

Useful Life 20 years

Category Water Towers/Storage

Project # WTT-23-001

Project Name SW Irvinedale Elevated Storage Tank Repaint

Description

This project is to repaint the interior and exterior of the SW Irvinedale Elevated Storage Tank. The existing paint is starting to show signs of wear as the usefulness of the existing coating is breaking down. Typically, one can expect painted surfaces to 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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | 2023 | 2024 | 2025 | 2026 | 2027 | 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 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Utilities | | | | | 4,500 | 4,500 |
| Total | | | | | 4,500 | 4,500 |

2023 - 2027 Capital Improvement Program

2023 *thru* 2027

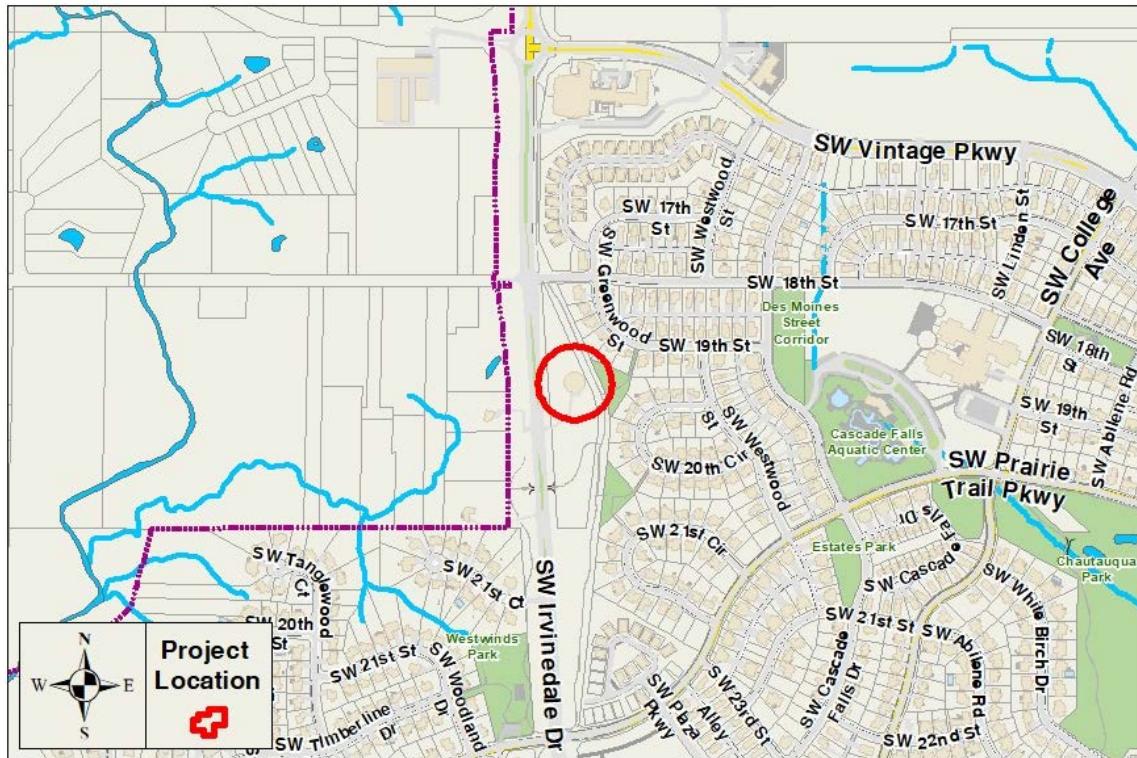
City of Ankeny, Iowa

Department Water Utility

Contact Municipal Utilities Director

Project # **WTT-23-001**

Project Name **SW Irvinedale Elevated Storage Tank Repaint**





Ankeny City Hall • 410 West First Street • Ankeny, Iowa 50023
515.965.6400 • www.ankenyiowa.gov