

Capital Improvement Program

Calendar Years
2015-2019



Ankeny

bringing it all together®

2015-2019 CAPITAL IMPROVEMENT PROGRAM

INTRODUCTION

The capital improvement program serves as a guide for the provision of public improvements, outlining the timing and financing schedules of projects for a five-year period. The capital budget is a significant portion of the fiscal year 2016 budget as it represents the costs associated with the 2015 capital projects, the first year of the 2015-2019 Capital Improvement Program.

The capital improvement program identifies capital needs, establishes priorities, and identifies secured and potential funding sources. Key sources for formulating the capital improvement program include the Ankeny Comprehensive Plan, 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 projects are presented to the council when sources of funding are available and the project is set for design and/or construction.

Capital projects may include land acquisitions, the construction and acquisition of new buildings, additions to or renovations of existing buildings, construction or reconstruction of street and utility infrastructure, and major equipment purchases. Because of the size and magnitude of these projects, bonds are a major source of financing.

Annually, staff performs a systematic 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 2015-2019 Capital Improvement Program reflects a \$19,493,693 decrease in project expenditures. The factors contributing to this decrease are the \$5 million annual cap on projects funded by the debt service levy which begins in 2015 and the completion of the NE 36th Street Interchange project in the previous five-year capital improvement program. City staff continues to look for ways to leverage non-city capital project dollars to limit the burden on taxpayers. However, traditional support from federal

and state governments for construction of new infrastructure or reconstruction of existing infrastructure has diminished and greater sums of local resources are necessary to finance local infrastructure investments.

GOALS

The City Council's goals provide policy guidance for the evaluation of capital improvement projects. These goals include:

- High performing city organization: financially sound, providing service value
- Responsible growth and revitalization
- Ankeny as a successful business center
- Preservation of Ankeny's hometown feel

In addition to these goals, the Ankeny Comprehensive Plan serves as the basis for many of the city's policy decisions related to a wide range of issues including decisions related to capital projects. Comprehensive Plan goals related to the 2015-2019 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 the transportation system is adequate to meet future needs
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 a submittal form that gathers information about capital projects including information on the department, the project type and purpose, funding sources, underlying city 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 new or replacement work.

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
- Removes or reduces hazards
- Advances a council goal or priority
- Improves efficiency
- Maintains standards of service
- Supports economic development

- Improves services
- Affordability
- Improves the quality of life or aesthetic values
- Offers convenience

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 2015 capital improvement projects will become part of the adopted 2016 budget, the emphasis in the capital improvement process is on the first year’s capital program. The projects for the remaining four years of the program become part of the city’s long-term financial program and five-year capital improvement program.

PROGRAM OVERVIEW

For 2015-2019, the capital improvement program totals \$72,244,381. Of the total, 37% is identified for transportation projects, 29% for municipal utilities (water, sewer and storm water) projects, 18% for Prairie Trail projects, 7% for municipal buildings, 7% for park facilities, and 2% for sidewalks and trails.

Capital budget requirements for 2015 total \$15,724,934. Capital spending authorizations by project category for the upcoming year include:

Bridge/Box Culvert	\$ 80,000	0.51%
Prairie Trail	\$ 3,590,000	22.83%
Municipal Buildings	\$ 155,000	0.98%
Parks	\$ 2,061,734	13.11%
Sewer	\$ 2,612,200	16.61%
Sidewalks/Trails	\$ 1,000,000	6.36%
Storm Water	\$ 300,000	1.91%
Streets	\$ 4,255,000	27.06%
Traffic Control	\$ 1,061,000	6.75%
Water	\$ 610,000	3.88%

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

The program represents a concerted effort to ensure that needed capital projects are in place in a timely manner to accommodate continued 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 the projects and timing of these projects.

FINANCIAL PLAN

The financial plan presents a diversified approach to funding the 2015-2019 Capital Improvement Program with over 61% coming from non-property tax sources. 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 investment in infrastructure rehabilitation. Typically, any rehabilitation funding, such as street rehabilitation, is funded directly by property taxes from the debt service levy.

Below is a summary of the funding sources for the 2015-2019 Capital Improvement Program.

Funding Source	Revenue (\$)	% of Revenue
Property Taxes	\$28,429,300	39%
Grants and Intergovernmental	4,550,000	6%
Tax Increment Financing	12,690,000	18%
Municipal Utilities Revenues	20,777,200	29%
Miscellaneous Revenues	5,797,881	8%
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Total	\$72,244,381	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 \$28,429,300, or 39%, 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 capturing taxes paid to all taxing authorities on certain new commercial and industrial properties

6. Referendum approved general obligation debt—additional debt service levy authority for capital projects approved by a vote of a super-majority (60%) of voters.

GRANTS & INTERGOVERNMENTAL

Every 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 taxing bodies. The proposed capital improvement program financial plan identifies \$4,550,000 to be received from grant awards or intergovernmental assistance, representing 6% of all revenue sources.

The project most dependent on grants and intergovernmental support is the NE 36th Street Reconstruction project, with construction cost estimated at \$7 million. This project anticipates \$2.25 million in federal support from the Des Moines Area Metropolitan Planning Organization (MPO), of which \$1.85 million has been secured and \$400,000 is unsecured. Additional MPO funding has been secured for the NE Delaware Avenue Pedestrian Bridge and High Trestle Trail SW Ordinance Road Connection projects.

Secured assistance from the Iowa Department of Transportation (IDOT) includes Traffic Safety Improvement Program (TSIP) funding for the West 1st Street and State Street Intersection Improvements; Urban-State Traffic Engineering Program (U-STEP) funding for the SW Oralabor Road and SW White Birch Drive Traffic Signal; and engineering for the SE Oralabor Road and SE Delaware Avenue Intersection study. Additional participation is expected in 2016 and 2017 for SE Oralabor Road and SE Delaware Avenue construction improvements. Other miscellaneous grants and intergovernmental revenues include funding from Prairie Meadows for the Ankeny Market and Pavilion project and participation from Polk County in the construction of a traffic signal at West 1st Street and Iowa Highway 415.

TAX INCREMENT FINANCING

The use of tax increment financing (TIF) to abate general obligation debt issued by the city is a way for commercial and industrial growth to pay for itself. Of the five funding sources, \$12,690,000 or 18% of general obligation debt is financed through TIF abatements. The majority of TIF-abated projects are located within the Prairie Trail development. Projects planned for 2015 include the construction of SW Prairie Trail Parkway, The District at Prairie Trail Parking Lot - Phase 3A, and Promenade Park Trail Connection - Phase 2. In addition, engineering for the SW Prairie Trail Parkway Extension will begin in 2015 with construction planned in 2016.

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 \$20,777,200, or 29%, of the capital improvement program financial plan.

The proposed capital improvement program includes annual appropriations of \$500,000 for water, \$400,000 for sewer, and \$250,000 for storm water to fund small improvement projects. Major 2015 projects planned in the annual programs include the SW Maple Area Water Main Improvements, Carlson Ridge Storm Sewer Extension, Ashland Ridge Drainage Swale Repair, and NE 18th Street Channel Improvements. Large scale utility projects include the West Outfall Relief Sewer and SE Sharon Drive Sanitary Sewer Replacement.

MISCELLANEOUS REVENUES

The financial plan includes contributions from miscellaneous sources, totaling \$5,797,881, or 8%, of the 2015-2019 Capital Improvement Program. This includes capital project cash balances, capital reserve fund, civic trust contributions, Hawkeye Park player fees cash balances, hotel/motel tax revenues, private contributions, and sports complex foundation cash balances. Private contributions represent 58% of the total which continues to be high due to fundraising efforts to construct the Miracle Park and Ankeny Market and Pavilion projects. Additionally, the capital improvement program includes private contributions from the local sports groups for the installation of sports field lighting at Prairie Ridge Sports Complex and Hawkeye Park.

CONCLUSION

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

Projects proposed for completion between 2015-2019 sustain existing infrastructure, support expansion of new economic opportunities, and demonstrate a clear awareness of current economic challenges before the community. It is noted, however, that a significant number of projects will need to be considered in the future. With these pressures 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 revitalization, and expanding our quality of life.

Section 1

City of Ankeny: 2015 - 2019 Capital Improvement Program

2015 CIP Projects by Funding Source

Project	Project #	2015	General Obligation Bonds					Revenue Bonds		Miscellaneous						
			Debt Service Levy	Water	Sewer	Storm Water	Tax Increment Financing	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel	Ankeny Community Foundation	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000													
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$570,000	\$380,000									\$190,000				
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$377,200									\$377,200					
Annual Storm Water Replacement Program	STM-00-001	\$300,000									\$300,000					
Annual PCC Street Patching Program	STR-00-001	\$500,000	\$500,000													
Annual Asphalt Street Resurfacing Program	STR-00-002	\$200,000	\$55,000								\$145,000					
Annual Pavement Preservation Program	STR-00-003	\$100,000	\$100,000													
Annual Street Replacement Program	STR-00-004	\$450,000	\$450,000													
Annual Traffic Signal Improvement Program	TRF-00-001	\$973,000	\$380,000								\$375,000	\$218,000				
Annual Water Main Replacement Program	WTM-00-001	\$575,000									\$575,000					
Uptown Street Shop & Water Shop Demolition	BLD-15-002	\$155,000	\$61,000								\$94,000					
NW 13th Street RCB Culvert for Rock Creek	BRG-14-001	\$80,000	\$80,000													
SW Vintage Parkway	COR-07-004	\$250,000						\$250,000								
SW Prairie Trail Parkway	COR-07-005	\$1,425,000						\$1,425,000								
The District at Prairie Trail - Parking Lot Phase 3A	COR-15-002	\$1,570,000						\$1,570,000								
Prairie Ridge Sports Complex - Field Lighting	PRK-09-001	\$250,000											\$125,000			\$125,000
Promenade Park Trail Connection - Phase 2	PRK-09-003	\$280,000						\$280,000								
Ankeny Market and Pavilion	PRK-13-001	\$692,870									\$50,000			\$642,870		
Miracle Park	PRK-13-003	\$670,564												\$670,564		
Prairie Ridge Sports Complex - Field Improvements	PRK-14-001	\$52,300	\$52,300													
Prairie Ridge Sports Complex - Drainage Improvements	PRK-14-002	\$72,000	\$72,000													
Prairie Ridge Sports Complex - Additional Multi-Use Field	PRK-15-001	\$74,000	\$74,000													
Chautauqua Park Lake Area Restoration	PRK-15-003	\$65,000														\$65,000
High Trestle Trail - SW Ordinance Road Connection	SDW-12-001	\$430,000	\$50,000								\$150,000	\$230,000				
West Outfall Relief Sewer	SNS-12-002	\$1,635,000										\$1,635,000				
SE Sharon Drive Sanitary Sewer Replacement	SNS-14-002	\$600,000									\$600,000					
NE 36th Street Reconstruction	STR-11-003	\$500,000	\$500,000													
West 1st Street and State Street Intersection Improvements	STR-13-005	\$1,650,000	\$1,150,000								\$500,000					
SE Oralabor Road and SE Delaware Avenue Intersection Improvements	STR-14-001	\$450,000	\$125,000													\$325,000
NW Irvinedale Drive Safety Improvements	STR-14-005	\$380,000	\$380,000													
Ankeny Boulevard and 1st Street Intersection Study	STR-15-001	\$25,000	\$25,000													
School Zone Flashing Signals	TRF-15-001	\$88,000	\$88,000													
East First Street Rural Water Main Extension	WTM-14-001	\$35,000									\$35,000					
		\$15,724,934	\$4,772,300	\$0	\$0	\$0	\$3,525,000	\$0	\$0	\$0	\$1,075,000	\$4,399,200	\$125,000	\$1,313,434	\$0	\$515,000

2015 Bond Issue Project Costs	\$8,297,300
Additional Project Costs	\$0
Cost of Issuance/Underwriter's Discount/Additional Proceeds	\$127,700
Projected 2015 Bond Issue Total	\$8,425,000

City of Ankeny: 2015 - 2019 Capital Improvement Program

2016 CIP Projects by Funding Source

Project	Project #	2016	General Obligation Bonds					Revenue Bonds		Miscellaneous						
			Debt Service Levy	Water	Sewer	Storm Water	Tax Increment Financing	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel	Ankeny Community Foundation	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000													
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$165,000	\$165,000													
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$400,000									\$400,000					
Annual Storm Water Replacement Program	STM-00-001	\$250,000									\$250,000					
Annual PCC Street Patching Program	STR-00-001	\$500,000	\$382,000								\$118,000					
Annual Asphalt Street Resurfacing Program	STR-00-002	\$150,000	\$150,000													
Annual Pavement Preservation Program	STR-00-003	\$100,000	\$100,000													
Annual Street Replacement Program	STR-00-004	\$550,000	\$550,000													
Annual Traffic Signal Improvement Program	TRF-00-001	\$650,000	\$250,000								\$150,000	\$100,000				\$150,000
Annual Water Main Replacement Program	WTM-00-001	\$400,000									\$400,000					
NW 13th Street RCB Culvert for Rock Creek	BRG-14-001	\$350,000	\$350,000													
SW Vintage Parkway	COR-07-004	\$2,300,000					\$2,300,000									
The District at Prairie Trail - Parking Lot Phase 3B	COR-15-003	\$965,000					\$965,000									
Ankeny Market and Pavilion	PRK-13-001	\$836,114												\$836,114		
Miracle Park	PRK-13-003	\$206,493												\$206,493		
Prairie Ridge Sports Complex - Field Improvements	PRK-14-001	\$55,000	\$55,000													
Otter Creek Trunk Sewer - Phase 3	SNS-11-001	\$100,000									\$100,000					
Wastewater Treatment Facilities Demolition	SNS-14-001	\$375,000									\$375,000					
SE Sharon Drive Sanitary Sewer Replacement	SNS-14-002	\$650,000									\$650,000					
Hidden Creek Trunk Sewer - Phase 1	SNS-14-003	\$45,000									\$45,000					
Tributary A to Four Mile Creek Channel Improvements	STM-11-001	\$400,000				\$400,000										
NE 36th Street Reconstruction	STR-11-003	\$1,800,000	\$1,800,000													
SE Oralabor Road and SE Delaware Avenue Intersection Improvements	STR-14-001	\$1,425,000	\$1,125,000								\$300,000					
East First Street Rural Water Main Extension	WTM-14-001	\$435,000									\$435,000					
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	\$60,000									\$60,000					
SW Irvinedale Drive Feeder Main	WTM-15-001	\$150,000									\$150,000					
		\$13,567,607	\$5,177,000	\$0	\$0	\$400,000	\$3,265,000	\$0	\$0	\$0	\$450,000	\$3,083,000	\$0	\$1,042,607	\$0	\$150,000

2016 Bond Issue Project Costs	\$8,842,000
Additional Project Costs	\$0
Cost of Issuance/Underwriter's Discount/Additional Proceeds	\$143,000
Projected 2016 Bond Issue Total	\$8,985,000

City of Ankeny: 2015 - 2019 Capital Improvement Program

2017 CIP Projects by Funding Source

Project	Project #	2017	General Obligation Bonds					Revenue Bonds		Miscellaneous						
			Debt Service Levy	Water	Sewer	Storm Water	Tax Increment Financing	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel	Ankeny Community Foundation	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000													
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$155,000	\$155,000													
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$700,000										\$700,000				
Annual Storm Water Replacement Program	STM-00-001	\$250,000										\$250,000				
Annual PCC Street Patching Program	STR-00-001	\$300,000	\$300,000													
Annual Asphalt Street Resurfacing Program	STR-00-002	\$100,000	\$100,000													
Annual Pavement Preservation Program	STR-00-003	\$100,000	\$100,000													
Annual Street Replacement Program	STR-00-004	\$500,000	\$500,000													
Annual Traffic Signal Improvement Program	TRF-00-001	\$465,000	\$465,000													
Annual Water Main Replacement Program	WTM-00-001	\$350,000										\$350,000				
Fire Station #3	BLD-15-001	\$750,000						\$750,000								
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	\$30,000	\$30,000													
SW Des Moines Street Extension	COR-09-001	\$125,000						\$125,000								
SW Des Moines Street Trunk Sewer	COR-13-002	\$1,030,000						\$1,030,000								
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	\$110,000						\$110,000								
Ankeny Market and Pavilion	PRK-13-001	\$666,840												\$666,840		
Hawkeye Park Sports Field Lighting	PRK-13-002	\$235,000										\$60,000	\$175,000			
Chautauqua Park Lake Recreational Trail	PRK-15-002	\$395,000														\$395,000
Otter Creek Trunk Sewer - Phase 3	SNS-11-001	\$1,750,000										\$1,750,000				
Otter Creek Trunk Sewer - Phase 4	SNS-12-001	\$45,000										\$45,000				
Wastewater Treatment Facilities Demolition	SNS-14-001	\$375,000										\$375,000				
Hidden Creek Trunk Sewer - Phase 1	SNS-14-003	\$805,000										\$805,000				
Storm Water Management Study and Master Plan	STM-15-001	\$250,000										\$250,000				
NE 36th Street Reconstruction	STR-11-003	\$4,700,000	\$2,025,000								\$2,250,000				\$425,000	
SE Oralabor Road and SE Delaware Avenue Intersection Improvements	STR-14-001	\$1,375,000	\$1,075,000								\$300,000					
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	\$735,000										\$735,000				
SW Irvinedale Drive Feeder Main	WTM-15-001	\$1,700,000										\$1,700,000				
Ash Tower Feeder Main	WTM-15-002	\$125,000										\$125,000				
		\$18,371,840	\$5,000,000	\$0	\$0	\$0	\$1,265,000	\$750,000	\$0	\$0	\$2,550,000	\$7,145,000	\$175,000	\$666,840	\$425,000	\$395,000

2017 Bond Issue Project Costs	\$7,015,000
Additional Project Costs	\$0
Cost of Issuance/Underwriter's Discount/Additional Proceeds	\$125,000
Projected 2017 Bond Issue Total	\$7,140,000

City of Ankeny: 2015 - 2019 Capital Improvement Program

2018 CIP Projects by Funding Source

Project	Project #	2018	General Obligation Bonds						Revenue Bonds		Miscellaneous						
			Debt Service Levy	Water	Sewer	Storm Water	Tax Increment Financing	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel	Ankeny Community Foundation	Capital Reserve	Other	
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000														
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$145,000	\$145,000														
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$575,000										\$575,000					
Annual Storm Water Replacement Program	STM-00-001	\$250,000										\$250,000					
Annual PCC Street Patching Program	STR-00-001	\$500,000	\$500,000														
Annual Asphalt Street Resurfacing Program	STR-00-002	\$100,000	\$100,000														
Annual Pavement Preservation Program	STR-00-003	\$100,000	\$100,000														
Annual Street Replacement Program	STR-00-004	\$500,000	\$500,000														
Annual Traffic Signal Improvement Program	TRF-00-001	\$425,000	\$425,000														
Annual Water Main Replacement Program	WTM-00-001	\$725,000										\$725,000					
Fire Station #3	BLD-15-001	\$4,000,000						\$4,000,000									
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	\$330,000	\$180,000									\$150,000					
NE 54th Street Pedestrian Bridge/Trail Connection	BRG-15-001	\$50,000	\$50,000														
SW Des Moines Street Extension	COR-09-001	\$1,525,000					\$1,525,000										
SW Des Moines Street Drainage Improvements	COR-13-003	\$1,800,000					\$1,800,000										
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	\$1,310,000					\$1,310,000										
Prairie Ridge Sports Complex - Field Lighting	PRK-09-001	\$160,000											\$80,000				\$80,000
Otter Creek Trunk Sewer - Phase 4	SNS-12-001	\$870,000										\$870,000					
SE Creekview Drive Paving and Drainage Improvements	STR-05-003	\$1,085,000	\$1,085,000														
East 1st Street and I-35 Interchange Reconstruction	STR-11-004	\$1,000,000	\$1,000,000														
Ash Tower Feeder Main	WTM-15-002	\$1,350,000										\$1,350,000					
NW 5th Street Water Booster Station	WTM-15-003	\$150,000										\$150,000					
		\$17,200,000	\$4,335,000	\$0	\$0	\$0	\$4,635,000	\$4,000,000	\$0	\$0	\$150,000	\$3,920,000	\$80,000	\$0	\$0	\$0	\$80,000

2018 Bond Issue Project Costs	\$12,970,000
Additional Project Costs	\$665,000
Cost of Issuance/Underwriter's Discount/Additional Proceeds	\$225,000
Projected 2018 Bond Issue Total	\$13,860,000

City of Ankeny: 2015 - 2019 Capital Improvement Program

2019 CIP Projects by Funding Source

Project	Project #	2019	General Obligation Bonds						Revenue Bonds		Miscellaneous						
			Debt Service Levy	Water	Sewer	Storm Water	TIF	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel	Ankeny Community Foundation	Capital Reserve	Other	
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000														
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$110,000	\$110,000														
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$350,000										\$350,000					
Annual Storm Water Replacement Program	STM-00-001	\$250,000										\$250,000					
Annual PCC Street Patching Program	STR-00-001	\$500,000	\$500,000														
Annual Asphalt Street Resurfacing Program	STR-00-002	\$100,000	\$100,000														
Annual Pavement Preservation Program	STR-00-003	\$100,000	\$100,000														
Annual Street Replacement Program	STR-00-004	\$500,000	\$500,000														
Annual Traffic Signal Improvement Program	TRF-00-001	\$350,000	\$350,000														
Annual Water Main Replacement Program	WTM-00-001	\$550,000										\$550,000					
NE 54th Street Pedestrian Bridge/Trail Connection	BRG-15-001	\$400,000	\$400,000														
SE Area Storm Sewer Improvements - Phase 3	STM-10-001	\$235,000			\$235,000												
SE Creekview Drive Paving and Drainage Improvements	STR-05-003	\$1,085,000	\$1,085,000														
East 1st Street and I-35 Interchange Reconstruction	STR-11-004	\$1,000,000	\$1,000,000														
NW 5th Street Water Booster Station	WTM-15-003	\$1,600,000										\$1,600,000					
		\$7,380,000	\$4,395,000	\$0	\$0	\$235,000	\$0	\$0	\$0	\$0	\$0	\$2,750,000	\$0	\$0	\$0	\$0	\$0

2019 Bond Issue Project Costs	\$4,630,000
Additional Project Costs	\$605,000
Cost of Issuance/Underwriter's Discount/Additional Proceeds	\$110,000
Projected 2019 Bond Issue Total	\$5,345,000

<u>Annual Sidewalk/Trail Construction Program (Fund 936)</u>	<u>Projected 2014</u>	<u>Projected 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>
Beginning Cash Balance	\$ 245,762	\$ 236,099	\$ 46,099	\$ 46,099	\$ 46,099	\$ 46,099
<u>Transfers In</u>						
General Obligation Bonds	\$ 300,000	\$ 380,000	\$ 165,000	\$ 155,000	\$ 145,000	\$ 110,000
Total Transfers In	\$ 300,000	\$ 380,000	\$ 165,000	\$ 155,000	\$ 145,000	\$ 110,000
<u>Project Expenditures</u>						
Sidewalk Oversizing	\$ 50,000	\$ 50,000				
Sidewalk gaps along city property	\$ 11,600	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
SE Magazine Road Trail Connection - Phase 1 (Ankeny Boulevard to Trilein Drive)	\$ 105,918					
Prairie Trail Sidewalk/Trail on City Property	\$ 72,145					
SW Irvinedale Drive Trail Connection (SW Woodbury Lane to Neal Smith Trail)		\$ 300,000				
SE Magazine Road Trail Connection - Phase 2 (Trilein Drive to Delaware Avenue)			\$ 135,000			
W First Street 8' Sidewalk Upgrade - Phase 1 (College Avenue to State Street)				\$ 125,000		
W First Street 8' Sidewalk Upgrade - Phase 2 (Linden Street to College Avenue)					\$ 115,000	
W First Street 8' Sidewalk Upgrade - Phase 3 (State Street to NW Elementary)						\$ 80,000
Total Project Expenditures	\$ 239,663	\$ 380,000	\$ 165,000	\$ 155,000	\$ 145,000	\$ 110,000
Transfers Out - High Trestle Trail - SW Ordnance Connection	\$ 70,000	\$ 190,000				
Remaining Cash Balance	\$ 236,099	\$ 46,099				

<u>Annual Sanitary Sewer Replacement Program (Fund 650)</u>	<u>Projected</u> <u>2014</u>	<u>Projected</u> <u>2015</u>	<u>Projected</u> <u>2016</u>	<u>Projected</u> <u>2017</u>	<u>Projected</u> <u>2018</u>	<u>Projected</u> <u>2019</u>
Beginning Cash Balance	\$ 663,084	\$ 493,650	\$ 516,450	\$ 516,450	\$ 216,450	\$ 41,450
<u>Transfers In</u>						
Transfer from Sewer Fund	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000
Transfer from SE Delaware Sanitary Sewer	\$ 13,394					
Miscellaneous	\$ 50					
Total Transfers In	\$ 413,444	\$ 400,000				
<u>Project Expenditures</u>						
Sanitary Sewer Oversizing		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Sanitary Sewer Spot Repairs/Manhole Repairs/Slip Lining		\$ 150,000	\$ 25,000	\$ 150,000	\$ 25,000	\$ 25,000
NW 36th Street/Elementary #10 Improvements	\$ 100,000					
Sanitary Sewer Repair - Saylor Creek		\$ 77,200				
NE 7th Street Sanitary Sewer Repair	\$ 320,398					
Southlawn Full Reconstruction	\$ 162,481	\$ 100,000	\$ 300,000			
Eastlawn/Sherman/Parkview Full Reconstruction		\$ 25,000	\$ 50,000	\$ 300,000	\$ 300,000	\$ 300,000
NE 3rd Street Sanitary Sewer Study and Upsizing				\$ 225,000	\$ 225,000	
Total Project Expenditures	\$ 582,878	\$ 377,200	\$ 400,000	\$ 700,000	\$ 575,000	\$ 350,000
Remaining Cash Balance	<u>\$ 493,650</u>	<u>\$ 516,450</u>	<u>\$ 516,450</u>	<u>\$ 216,450</u>	<u>\$ 41,450</u>	<u>\$ 91,450</u>

<u>Annual PCC Street Patching Program (Fund 963)</u>	<u>Projected</u> <u>2014</u>	<u>Projected</u> <u>2015</u>	<u>Projected</u> <u>2016</u>	<u>Projected</u> <u>2017</u>	<u>Projected</u> <u>2018</u>	<u>Projected</u> <u>2019</u>
Beginning Cash Balance	\$ 140,253	\$ 210,201	\$ 210,201	\$ 92,201	\$ 92,201	\$ 92,201
<u>Transfers In</u>						
General Obligation Bonds	\$ 500,000	\$ 500,000	\$ 382,000	\$ 300,000	\$ 500,000	\$ 500,000
Copy Charges	\$ 100					
Total Transfers In	\$ 500,100	\$ 500,000	\$ 382,000	\$ 300,000	\$ 500,000	\$ 500,000
<u>Project Expenditures</u>						
Southlawn Full Reconstruction	\$ 164,938	\$ 100,000	\$ 300,000			
NW Linden Street Storm Sewer and Pavement	\$ 34,254					
Eastlawn/Sherman/Parkview Full Reconstruction		\$ 25,000	\$ 50,000	\$ 300,000	\$ 300,000	\$ 300,000
Full-Depth Street Patches and Intake Replacements	\$ 230,960	\$ 375,000	\$ 150,000		\$ 200,000	\$ 200,000
Total Project Expenditures	\$ 430,152	\$ 500,000	\$ 500,000	\$ 300,000	\$ 500,000	\$ 500,000
Remaining Cash Balance	<u>\$ 210,201</u>	<u>\$ 210,201</u>	<u>\$ 92,201</u>	<u>\$ 92,201</u>	<u>\$ 92,201</u>	<u>\$ 92,201</u>

<u>Annual Asphalt Street Resurfacing Program (Fund 950)</u>	<u>Projected 2014</u>	<u>Projected 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>
Beginning Cash Balance	\$ 173,876	\$ 148,871	\$ 3,871	\$ 3,871	\$ 3,871	\$ 3,871
<u>Transfers In</u>						
General Obligation Bonds	\$ 100,000	\$ 55,000	\$ 150,000	\$ 100,000	\$ 100,000	\$ 100,000
Total Transfers In	\$ 100,000	\$ 55,000	\$ 150,000	\$ 100,000	\$ 100,000	\$ 100,000
<u>Project Expenditures</u>						
NW Irvinedale Drive from NW 36th Street to NW 54th Street	\$ 112,204					
County NW 6th Drive from SW 38th Street south NE 19th Lane	\$ 10,496					
	\$ 2,305					
NW 36th Street Overlay, NW Irvinedale Drive to 1,850' east		\$ 175,000				
Overlay of Gravel Alley between SW Cherry and SW Walnut, north of SW 6th		\$ 25,000				
Asphalt Street Resurfacing (TBD)			\$ 150,000	\$ 100,000	\$ 100,000	\$ 100,000
Total Project Expenditures	\$ 125,005	\$ 200,000	\$ 150,000	\$ 100,000	\$ 100,000	\$ 100,000
Remaining Cash Balance	<u>\$ 148,871</u>	<u>\$ 3,871</u>				

<u>Annual Traffic Signal Improvement Program (Fund 965)</u>	<u>Projected 2014</u>	<u>Projected 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>
Beginning Cash Balance	\$ 322,138	\$ 358,557	\$ 140,557	\$ 40,557	\$ 40,557	\$ 40,557
<u>Transfers In</u>						
General Obligation Bonds	\$ 112,500	\$ 380,000	\$ 250,000	\$ 465,000	\$ 425,000	\$ 350,000
Iowa Department of Transportation - USTEP Grant		\$ 375,000				
Iowa Department of Transportation - Potential Cost Share			\$ 75,000			
Polk County - Potential Cost Share			\$ 75,000			
Developer Contributions			\$ 150,000			
Total Transfers In	\$ 112,500	\$ 755,000	\$ 550,000	\$ 465,000	\$ 425,000	\$ 350,000
<u>Project Expenditures</u>						
SW Oralabor Road from Irvinedale west to NW 26th Signals - Fiber Optic Cable	\$ 4,510					
SW Oralabor Road and SW White Birch Drive Signal	\$ 71,572	\$ 547,000				
SW Oralabor Road & SW State Street Pedestrian Signal		\$ 40,000				
I-35 Corporate Woods Drive Northbound Exit Ramp Signal		\$ 386,000				
West First Street and Highway 415 Signal			\$ 350,000			
SE Delaware and SE 54th Street Signal			\$ 300,000			
NW Irvinedale Drive and NW 18th Street Temporary Signal				\$ 85,000		
SW State Street and SW Prairie Trail Parkway Signal				\$ 380,000		
SE Delaware Avenue and SE 8th Street Signal					\$ 350,000	
Fiber Optic Conduit Connection to The District					\$ 75,000	
Traffic Signal Project (TBD)						\$ 350,000
Total Project Expenditures	\$ 76,082	\$ 973,000	\$ 650,000	\$ 465,000	\$ 425,000	\$ 350,000
Remaining Cash Balance	\$ 358,557	\$ 140,557	\$ 40,557	\$ 40,557	\$ 40,557	\$ 40,557

<u>Annual Water Main Extension/Replacement Program (Fund 610)</u>	<u>Projected</u> <u>2014</u>	<u>Projected</u> <u>2015</u>	<u>Projected</u> <u>2016</u>	<u>Projected</u> <u>2017</u>	<u>Projected</u> <u>2018</u>	<u>Projected</u> <u>2019</u>
Beginning Cash Balance	\$ 560,029	\$ 136,104	\$ 61,104	\$ 161,104	\$ 311,104	\$ 86,104
<u>Transfers In</u>						
Transfer from Water Fund	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Miscellaneous	\$ 180					
Total Transfers In	\$ 180	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
<u>Project Expenditures</u>						
Water Main Oversizing		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
NW 36th Street/Elementary #10 Improvements	\$ 150,000					
SW Maple Street Water Main Improvements	\$ 111,598	\$ 400,000				
Southlawn Full Reconstruction	\$ 162,507	\$ 100,000	\$ 300,000			
Eastlawn/Sherman/Parkview Full Reconstruction		\$ 25,000	\$ 50,000	\$ 300,000	\$ 300,000	\$ 300,000
SW 3rd Street (Maple to Scott) Water Main Improvements					\$ 375,000	
W 1st Street (Chapel to Des Moines) Water Main Improvements						\$ 200,000
Total Project Expenditures	\$ 424,105	\$ 575,000	\$ 400,000	\$ 350,000	\$ 725,000	\$ 550,000
Remaining Cash Balance	<u>\$ 136,104</u>	<u>\$ 61,104</u>	<u>\$ 161,104</u>	<u>\$ 311,104</u>	<u>\$ 86,104</u>	<u>\$ 36,104</u>

Proposed 2015-2024 Capital Improvements Plan

Projects By Year/Type	High Priority Projects										Project Cost	Special Funding	Project Type
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024			
	Annual Park Development Program	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$400,000	\$500,000	\$600,000	\$700,000			
Annual Sidewalk/Trail Construction Program	\$570,000	\$165,000	\$155,000	\$145,000	\$110,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$2,145,000	-	Sidewalks/Trails
Annual Sanitary Sewer Replacement Program	\$377,200	\$400,000	\$700,000	\$575,000	\$350,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$4,402,200	-	Sanitary Sewers
Annual Storm Water Replacement Program	\$300,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$2,550,000	-	Storm Water
Annual PCC Street Patching Program	\$500,000	\$500,000	\$300,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$4,800,000	-	Streets/Alleys
Annual Asphalt Street Resurfacing Program	\$200,000	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,150,000	-	Streets/Alleys
Annual Pavement Preservation Program	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,000,000	-	Streets/Alleys
Annual Street Replacement Program	\$450,000	\$550,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,000,000	-	Streets/Alleys
Annual Traffic Signal Improvement Program	\$973,000	\$650,000	\$465,000	\$425,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$4,613,000	-	Traffic Control
Annual Water Main Replacement Program	\$575,000	\$400,000	\$350,000	\$725,000	\$550,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,100,000	-	Water Mains
High Trestle Trail - SW Ordnance Road Connection	\$430,000										\$430,000	MPO	Sidewalks/Trails
Uptown Street Shop & Water Shop Demolition	\$155,000										\$155,000	-	Municipal Buildings
West 1st Street and State Street Intersection Improvements	\$1,650,000										\$1,650,000	IDOT	Streets/Alleys
Promenade Park Trail Connection - Phase 2	\$280,000										\$280,000	TIF	Prairie Trail
Prairie Ridge Sports Complex Additional Multi-use Field	\$74,000										\$74,000	-	Park Facilities
West Outfall Relief Sewer	\$1,635,000										\$1,635,000	-	Sanitary Sewers
Chautauqua Park Lake Area Restoration	\$65,000										\$65,000	Civic	Prairie Trail
School Zone Flashing Signals	\$88,000										\$88,000	MPO	Traffic Control
The District at Prairie Trail - Public Parking Lot Phase 3A	\$1,570,000										\$1,570,000	TIF	Prairie Trail
Ankeny Boulevard and First Street Intersection Study	\$25,000										\$25,000	-	Traffic Control
NW Irvinedale Drive Safety Improvements	\$380,000										\$380,000	-	Streets/Alleys
Prairie Ridge Sports Complex - Field Lighting	\$250,000			\$160,000							\$410,000	Private, H/M	Park Facilities
Prairie Ridge Sports Complex - Drainage Improvements	\$72,000					\$80,000	\$80,000	\$85,000			\$317,000	-	Park Facilities
SW Prairie Trail Parkway	\$1,425,000						\$1,200,000	\$1,600,000			\$4,225,000	TIF	Prairie Trail
Miracle Park	\$670,564	\$206,493									\$877,057	Private, H/M	Park Facilities
NW 13th Street RCB Culvert for Rock Creek	\$80,000	\$350,000									\$430,000	-	Bridge/Box Culvert
SE Sharon Drive Sanitary Sewer Replacement	\$600,000	\$650,000									\$1,250,000	-	Sanitary Sewers
Prairie Ridge Sports Complex - Field Improvements	\$52,300	\$55,000									\$107,300	-	Park Facilities
East First Street Rural Water Main Extension	\$35,000	\$435,000									\$470,000	-	Water Mains
SW Vintage Parkway	\$250,000	\$2,300,000									\$2,550,000	TIF	Prairie Trail
Ankeny Market and Pavilion	\$692,870	\$836,114	\$666,840								\$2,195,824	Private, H/M	Park Facilities
SE Oralabor Road and SE Delaware Avenue Intersection Improvements	\$450,000	\$1,425,000	\$1,375,000								\$3,250,000	IDOT	Streets/Alleys
NE 36th Street Reconstruction	\$500,000	\$1,800,000	\$4,700,000								\$7,000,000	MPO	Streets/Alleys
Tributary A to Four Mile Creek Channel Improvements		\$400,000									\$400,000	-	Storm Water
The District at Prairie Trail - Parking Lot Phase 3B		\$965,000									\$965,000	TIF	Prairie Trail
Otter Creek Trunk Sewer - Phase 3		\$100,000	\$1,750,000								\$1,850,000	-	Sanitary Sewers
Hidden Creek Trunk Sewer - Phase 1		\$45,000	\$805,000								\$850,000	-	Sanitary Sewers
Wastewater Treatment Facilities Demolition		\$375,000	\$375,000								\$750,000	-	Sanitary Sewers
SE Four Mile Drive Rural Water Main Extension		\$60,000	\$735,000								\$795,000	-	Water Mains
SW Irvinedale Drive Feeder Main		\$150,000	\$1,700,000								\$1,850,000	-	Water Mains
SW Des Moines Street Trunk Sewer			\$1,030,000								\$1,030,000	TIF	Prairie Trail
Chautauqua Park Lake Recreation Trail			\$395,000								\$395,000	Civic	Prairie Trail
Hawkeye Park Sports Field Lighting			\$235,000								\$235,000	Private, H/M	Park Facilities
Storm Water Management Study and Master Plan			\$250,000								\$250,000	-	Storm Water
SW Plaza Parkway and SW College Avenue Extension			\$110,000	\$1,310,000							\$1,420,000	TIF	Prairie Trail
Otter Creek Trunk Sewer - Phase 4			\$45,000	\$870,000							\$915,000	-	Sanitary Sewers
NE Delaware Avenue Pedestrian Bridge			\$30,000	\$330,000							\$360,000	MPO	Bridge/Box Culvert
Ash Tower Feeder Main			\$125,000	\$1,350,000							\$1,475,000	-	Water Mains
Fire Station #3			\$750,000	\$4,000,000							\$4,750,000	Referendum	Municipal Buildings
SW Des Moines St Extension			\$125,000	\$1,525,000		\$1,400,000		\$2,800,000			\$5,850,000	TIF	Prairie Trail
East First Street and I-35 Interchange Reconstruction				\$1,000,000	\$1,000,000						\$2,000,000	-	Streets/Alleys
NW 5th Street Water Booster Station				\$150,000	\$1,600,000						\$1,750,000	-	Water Mains
SE Creekview Drive Paving				\$1,085,000	\$1,085,000						\$2,170,000	-	Streets/Alleys
NE 54th Street Pedestrian Bridge/Trail Connection				\$50,000	\$400,000						\$450,000	-	Bridge/Box Culvert
SW Des Moines Street Drainage Improvements				\$1,800,000		\$1,460,000	\$1,200,000				\$4,460,000	TIF	Prairie Trail
SE Area Storm Sewer Improvements - Phase 3					\$235,000						\$235,000	-	Storm Water
NW 18th Street (NW Weigel to NW 35th Street)						\$1,500,000					\$1,500,000	-	Streets/Alleys
SW Oralabor Road Feeder Main						\$1,102,000					\$1,102,000	-	Water Mains
West 1st Street Storm Sewer Improvements						\$3,238,000					\$3,238,000	-	Storm Water
SW Oralabor Road and SW Irvinedale Drive Intersection Improvements						\$2,300,000					\$2,300,000	MPO	Traffic Control
Ankeny Boulevard and First Street Intersection Reconstruction						\$2,000,000					\$2,000,000	Federal	Traffic Control
SW Ordnance Road Connection						\$250,000	\$1,275,000				\$1,525,000	MPO	Streets/Alleys

Proposed 2015-2024 Capital Improvements Plan

Projects By Year/Type	High Priority Projects										Project Cost	Special Funding	Project Type
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024			
	NE Delaware Avenue Reconstruction (5th to 18th)						\$2,900,000	\$4,100,000					
NW 36th Street - Elementary #10 to NW Irvinedale Drive (Four-Lane)						\$375,000	\$2,500,000				\$2,875,000	-	Streets/Alleys
NW State Street Extension to NW Irvinedale Drive						\$1,700,000	\$2,000,000			\$6,000,000	\$9,700,000	-	Streets/Alleys
Chautauqua Park Development						\$2,970,000	\$2,970,000	\$2,970,000			\$8,910,000	TIF	Prairie Trail
Woodland Reserve Greenway						\$900,000	\$500,000	\$500,000	\$500,000		\$2,400,000	WIRB Grant	Storm Water
NW 18th Street (NW 35th Street to Highway 415)							\$515,000	\$1,985,000			\$2,500,000	-	Streets/Alleys
West First Street Reconstruction - Ankeny Boulevard to School Street							\$500,000	\$2,000,000			\$2,500,000	Federal	Streets/Alleys
Municipal Utilities Combined Maintenance Facility								\$6,000,000			\$6,000,000	-	Municipal Buildings
East First Street/Deer Creek 15" Sanitary Sewer								\$1,000,000			\$1,000,000	-	Sanitary Sewers
NE Four Mile Drive - East First Street to NE 18th Street								\$750,000	\$5,000,000		\$5,750,000	-	Streets/Alleys
NE Delaware Avenue Widening (18th to 36th)								\$1,000,000	\$3,000,000	\$4,000,000	\$8,000,000	-	Streets/Alleys
East 1st Street Widening - I-35 to NE Four Mile Drive									\$6,000,000		\$6,000,000	MPO	Streets/Alleys
NE 18th Street Improvements and I-35 Bridge									\$4,000,000	\$4,000,000	\$8,000,000	Federal	Bridge/Box Culvert
SW State Street Streetscape									\$600,000	\$1,150,000	\$1,750,000	TIF	Prairie Trail
SE Corporate Woods & SE Four Mile Drive Intersection										\$1,000,000	\$1,000,000	TIF	Streets/Alleys
Watercrest Community Park Expansion										\$300,000	\$300,000	-	Park Facilities
Corporate Woods Drive Railroad Overpass										\$6,000,000	\$6,000,000	Federal	Bridge/Box Culvert
	\$ 15,724,934	\$ 13,567,607	\$ 18,371,840	\$ 17,200,000	\$ 7,380,000	\$ 22,615,000	\$ 21,900,000	\$ 22,590,000	\$ 25,500,000	\$ 26,050,000	\$ 190,899,381		

2015 - 2024 Capital Projects Total = **\$ 190,899,381**

Section 2

City of Ankeny, Iowa
 Financial Planning for Capital Projects
 Projection of Tax Levies & Tax Rate Impact

EXHIBIT 1

Projected Debt Service Levy Impact	
Tax Impact for FY 12-13:	\$0.85100
Tax Impact for FY 13-14:	
Tax Impact for FY 14-15:	(\$0.05000)
Tax Impact for FY 15-16:	
Tax Impact for FY 16-17:	

Fiscal Year	Total Tax Valuation	Tax Valuation Growth	Taxes Levied	Debt Levy	Utility/TIF Abatement	Property Tax Backfill	Total Resources	Par	\$4,850,000	\$5,260,000	\$5,855,000	\$9,150,000	\$5,105,000	\$5,105,000	\$5,105,000	\$5,105,000	\$5,105,000	Future GO Debt	Bond Fees	Other Uses	Total Uses	Surplus/ (Deficit)	Ending Fund Balance	
								Proceeds	New Money 2015 CIP-Taxes	New Money 2016 CIP-Taxes	New Money 2017 CIP-Taxes	New Money 2018 CIP-Taxes	New Money 2019 CIP-Taxes	New Money 2020 CIP-Taxes	New Money 2021 CIP-Taxes	New Money 2022 CIP-Taxes	New Money 2023 CIP-Taxes							New Money 2024 CIP-Taxes
2011 - 2012	2,194,249,206	4.45%	7,677,678	\$3.4990	5,706,470		13,384,148	13,705,574																
2012 - 2013	2,234,955,340	1.86%	9,722,055	\$4.3500	5,992,207		15,714,262	15,233,103											5,700	9,906	13,721,180	(337,032)	2,214,278	
2013 - 2014	2,322,513,506	3.92%	10,102,933	\$4.3500	7,463,673		17,566,606	16,600,983											5,750	-8,332	15,230,521	483,741	2,698,019	
2014 - 2015	2,441,629,335	5.13%	10,499,005	\$4.3000	7,579,227	170,431	18,248,663	18,292,763											6,500	8,121	16,615,604	951,002	3,649,020	
2015 - 2016	2,618,974,785	7.26%	11,261,591	\$4.3000	8,495,841	371,235	20,128,666	18,680,610	1,453,239									1,453,239	9,000		20,142,849	(14,182)	3,582,738	
2016 - 2017	2,655,892,851	1.41%	11,420,338	\$4.3000	8,387,922	343,647	20,151,907	18,698,245	501,044	955,713								1,456,757	9,000		20,164,002	(12,095)	3,570,643	
2017 - 2018	2,760,412,584	3.94%	11,869,773	\$4.3000	7,957,157	345,142	20,172,072	17,947,235	500,969	640,350	1,109,685							2,251,004	9,000		20,207,239	(35,167)	3,535,476	
2018 - 2019	2,781,133,221	0.75%	11,958,872	\$4.3000	5,572,956	346,645	17,878,473	14,952,555	500,219	635,400	711,709	1,220,249						3,067,577	9,000		18,029,132	(150,659)	3,384,817	
2019 - 2020	2,888,602,122	3.86%	10,196,657	\$3.5300	5,130,008	348,155	15,674,820	11,907,975	503,794	639,738	713,959	1,213,315	687,040					3,757,845	9,000		15,674,820		3,384,817	
2020 - 2021	2,866,775,895	(0.76%)	10,913,167	\$3.8068	5,131,195	349,673	16,394,035	11,942,101	501,469	637,888	714,959	1,213,678	687,901	687,040				4,442,934	9,000		16,394,035		3,384,817	
2021 - 2022	2,974,608,139	3.76%	10,037,125	\$3.3743	4,542,388	351,198	14,930,711	9,791,964	503,269	640,088	714,709	1,211,940	684,801	687,901	687,040			5,129,747	9,000		14,930,711		3,384,817	
2022 - 2023	2,977,100,555	0.08%	10,749,605	\$3.6108	4,540,413	352,731	15,642,750	9,826,626	499,369	636,100	713,209	1,213,103	685,601	684,801	687,901	687,040		5,807,124	9,000		15,642,750		3,384,817	
2023 - 2024	3,082,971,825	3.56%	11,658,411	\$3.7815	4,515,138	354,272	16,527,821	10,020,851	499,794	636,163	715,181	1,216,463	685,026	685,601	684,801	687,901	687,040	6,497,970	9,000		16,527,821		3,384,817	
2024 - 2025	3,141,548,290	1.90%	12,229,124	\$3.8927	3,365,108	354,272	15,948,504	8,753,946	498,750	640,038	715,931	1,212,638	687,831	685,026	685,601	684,801	687,901	7,185,557	9,000		15,948,504		3,384,817	

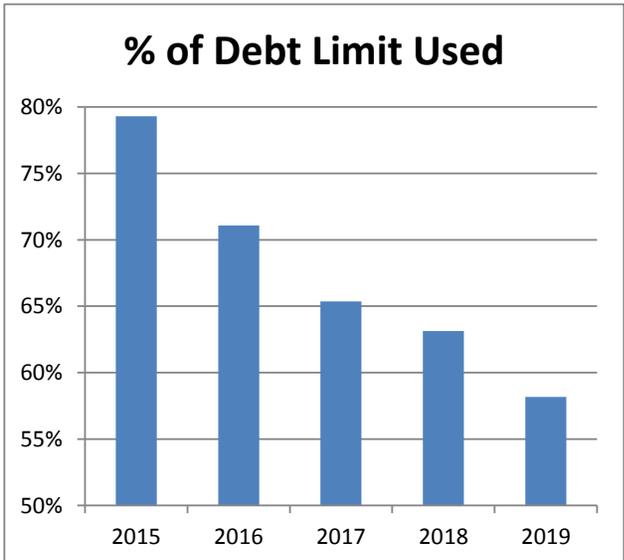
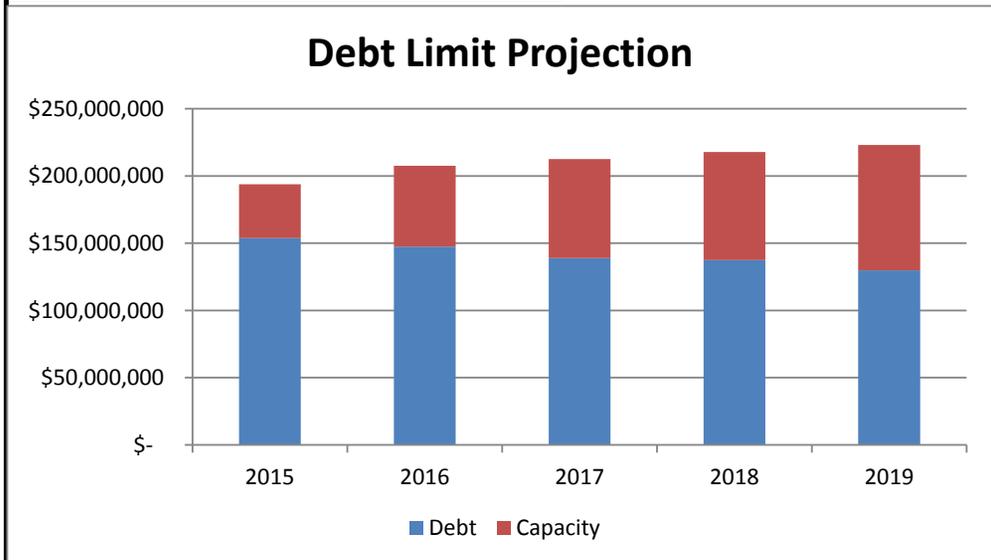
Debt Limit Projection

Based on Constitutional Limit - 5% of Assessed Valuation

Outstanding Debt		
Issue Date	Maturity Date	Outstanding Debt
05/30/07	06/01/18	\$ 1,375,000
05/15/08	06/01/19	\$ 6,565,000
05/15/08	06/01/28	\$ 1,500,000
04/08/09	06/01/28	\$ 2,366,000
05/15/09	06/01/28	\$ 21,890,000
05/15/10	06/01/21	\$ 4,200,000
05/15/11	06/01/26	\$ 10,650,000
08/15/11	06/01/16	\$ 200,000
05/30/12	06/01/27	\$ 10,205,000
05/30/12	06/01/18	\$ 5,415,000
05/30/13	06/01/28	\$ 18,035,000
05/30/13	06/01/28	\$ 12,870,000
05/29/14	06/01/29	\$ 14,885,000
05/29/14	06/01/29	\$ 12,345,000
12/22/14	06/01/29	\$ 22,450,000
Lease/Purchase Agreement		\$ 322,131
Rebate Agreements		\$ 13,232,617
Total Outstanding Debt		\$ 158,505,748

Projected Debt				
Bond Year	Debt Addition	Debt Reduction	Change in Rebates	Net Change
2015	\$ 8,425,000	\$ 13,219,000	\$ -	\$ (4,794,000)
2016	\$ 8,985,000	\$ 13,983,000	\$ (1,204,357)	\$ (6,202,357)
2017	\$ 7,140,000	\$ 14,502,000	\$ (1,197,928)	\$ (8,559,928)
2018	\$ 13,860,000	\$ 14,286,000	\$ (1,051,542)	\$ (1,477,542)
2019	\$ 5,345,000	\$ 11,831,000	\$ (1,259,067)	\$ (7,745,067)

Assessed Valuation			Debt Limit Projection		
FY	Assessed Value	Debt Limit Value	Projected Debt	Remaining Capacity	% of Debt Limit
2015	\$ 3,877,150,098	\$ 193,857,505	\$ 153,711,748	\$ 40,145,757	79%
2016	\$ 4,151,041,780	\$ 207,552,089	\$ 147,509,391	\$ 60,042,698	71%
2017	\$ 4,251,653,517	\$ 212,582,676	\$ 138,949,463	\$ 73,633,213	65%
2018	\$ 4,354,843,758	\$ 217,742,188	\$ 137,471,921	\$ 80,270,267	63%
2019	\$ 4,461,041,750	\$ 223,052,088	\$ 129,726,854	\$ 93,325,234	58%



Section 3

City of Ankeny, Iowa
Capital Improvement Program
 2015 thru 2019

CATEGORY SUMMARY

Category	2015	2016	2017	2018	2019	Total
Bridge/Box Culvert	80,000	350,000	30,000	380,000	400,000	1,240,000
Corridor Development	3,590,000	3,265,000	1,660,000	4,635,000		13,150,000
Municipal Buildings	155,000		750,000	4,000,000		4,905,000
Park Facilities	2,061,734	1,347,607	1,151,840	410,000	250,000	5,221,181
Sanitary Sewers	2,612,200	1,570,000	3,675,000	1,445,000	350,000	9,652,200
Sidewalks/Trails	1,000,000	165,000	155,000	145,000	110,000	1,575,000
Storm Water	300,000	650,000	500,000	250,000	485,000	2,185,000
Streets and Alleys	4,255,000	4,525,000	7,075,000	3,285,000	3,285,000	22,425,000
Traffic Control	1,061,000	650,000	465,000	425,000	350,000	2,951,000
Unassigned						
Water Mains	610,000	1,045,000	2,910,000	2,225,000	2,150,000	8,940,000
TOTAL	15,724,934	13,567,607	18,371,840	17,200,000	7,380,000	72,244,381

City of Ankeny, Iowa
Capital Improvement Program
 2015 thru 2019

PROJECTS BY CATEGORY

Category	Project#	Priority	2015	2016	2017	2018	2019	Total
Bridge/Box Culvert								
NW 13th Street RCB Culvert for Rock Creek	BRG-14-001	2	80,000	350,000				430,000
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	3			30,000	330,000		360,000
NE 54th Street Pedestrian Bridge/Trail Connection	BRG-15-001	4				50,000	400,000	450,000
Bridge/Box Culvert Total			80,000	350,000	30,000	380,000	400,000	1,240,000
Corridor Development								
SW Vintage Parkway	COR-07-004	3	250,000	2,300,000				2,550,000
SW Prairie Trail Parkway	COR-07-005	2	1,425,000					1,425,000
SW Des Moines Street Extension	COR-09-001	2			125,000	1,525,000		1,650,000
SW Des Moines Street Trunk Sewer	COR-13-002	3			1,030,000			1,030,000
SW Des Moines Street Drainage Improvements	COR-13-003	3				1,800,000		1,800,000
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	3			110,000	1,310,000		1,420,000
The District at Prairie Trail-Parking Lot Phase 3A	COR-15-002	1	1,570,000					1,570,000
The District at Prairie Trail-Parking Lot Phase 3B	COR-15-003	1		965,000				965,000
Promenade Park Trail Connection-Phase 2	PRK-09-003	1	280,000					280,000
Chautauqua Park Lake Recreational Trail	PRK-15-002	3			395,000			395,000
Chautauqua Park Lake Area Restoration	PRK-15-003	1	65,000					65,000
Corridor Development Total			3,590,000	3,265,000	1,660,000	4,635,000		13,150,000
Municipal Buildings								
Fire Station #3	BLD-15-001	4			750,000	4,000,000		4,750,000
Uptown Street Shop & Water Shop Demolition	BLD-15-002	1	155,000					155,000
Municipal Buildings Total			155,000		750,000	4,000,000		4,905,000
Park Facilities								
Annual Park Development Program	PRK-00-002	2	250,000	250,000	250,000	250,000	250,000	1,250,000
Prairie Ridge Sports Complex-Field Lighting	PRK-09-001	4	250,000			160,000		410,000
Ankeny Market and Pavilion	PRK-13-001	4	692,870	836,114	666,840			2,195,824
Hawkeye Park Sports Field Lighting	PRK-13-002	3			235,000			235,000
Miracle Park	PRK-13-003	1	670,564	206,493				877,057
Prairie Ridge Sports Complex-Field Improvements	PRK-14-001	3	52,300	55,000				107,300
Prairie Ridge Sports Complex-Drainage Improvements	PRK-14-002	3	72,000					72,000
Prairie Ridge Complex-Additional Multi-Use Field	PRK-15-001	1	74,000					74,000

Category	Project#	Priority	2015	2016	2017	2018	2019	Total
Park Facilities Total			2,061,734	1,347,607	1,151,840	410,000	250,000	5,221,181
Sanitary Sewers								
Annual Sanitary Sewer Replacement Program	SNS-00-001	2	377,200	400,000	700,000	575,000	350,000	2,402,200
Otter Creek Trunk Sewer-Phase 3	SNS-11-001	4		100,000	1,750,000			1,850,000
Otter Creek Trunk Sewer-Phase 4	SNS-12-001	5			45,000	870,000		915,000
West Outfall Relief Sewer	SNS-12-002	3	1,635,000					1,635,000
Wastewater Treatment Facilities Demolition	SNS-14-001	3		375,000	375,000			750,000
SE Sharon Drive Sanitary Sewer Replacement	SNS-14-002	3	600,000	650,000				1,250,000
Hidden Creek Trunk Sewer-Phase 1	SNS-14-003	4		45,000	805,000			850,000
Sanitary Sewers Total			2,612,200	1,570,000	3,675,000	1,445,000	350,000	9,652,200
Sidewalks/Trails								
Annual Sidewalk/Trail Construction Program	SDW-00-001	2	570,000	165,000	155,000	145,000	110,000	1,145,000
High Trestle Trail-SW Ordnance Road Connection	SDW-12-001	1	430,000					430,000
Sidewalks/Trails Total			1,000,000	165,000	155,000	145,000	110,000	1,575,000
Storm Water								
Annual Storm Water Replacement Program	STM-00-001	2	300,000	250,000	250,000	250,000	250,000	1,300,000
SE Area Storm Sewer Improvements-Phase 3	STM-10-001	2					235,000	235,000
Trib A to Four Mile Creek Channel Improvements	STM-11-001	2		400,000				400,000
Storm Water Management Study and Master Plan	STM-15-001	3			250,000			250,000
Storm Water Total			300,000	650,000	500,000	250,000	485,000	2,185,000
Streets and Alleys								
Annual PCC Street Patching Program	STR-00-001	2	500,000	500,000	300,000	500,000	500,000	2,300,000
Annual Asphalt Street Resurfacing Program	STR-00-002	2	200,000	150,000	100,000	100,000	100,000	650,000
Annual Pavement Preservation Program	STR-00-003	1	100,000	100,000	100,000	100,000	100,000	500,000
Annual Street Replacement Program	STR-00-004	2	450,000	550,000	500,000	500,000	500,000	2,500,000
SE Creekview Drive Paving and Drainage Improvement	STR-05-003	3				1,085,000	1,085,000	2,170,000
NE 36th Street Reconstruction	STR-11-003	3	500,000	1,800,000	4,700,000			7,000,000
E 1st Street and I-35 Interchange Reconstruction	STR-11-004	2				1,000,000	1,000,000	2,000,000
West 1st & State Street Intersection Improvements	STR-13-005	2	1,650,000					1,650,000
SE Oralabor and Delaware Intersection Improvements	STR-14-001	2	450,000	1,425,000	1,375,000			3,250,000
NW Irvinedale Drive Safety Improvements	STR-14-005	2	380,000					380,000
Ankeny Boulevard and 1st Street Intersection Study	STR-15-001	1	25,000					25,000
Streets and Alleys Total			4,255,000	4,525,000	7,075,000	3,285,000	3,285,000	22,425,000
Traffic Control								
Annual Traffic Signal Improvement Program	TRF-00-001	3	973,000	650,000	465,000	425,000	350,000	2,863,000
School Zone Flashing Signals	TRF-15-001	1	88,000					88,000
Traffic Control Total			1,061,000	650,000	465,000	425,000	350,000	2,951,000

Category	Project#	Priority	2015	2016	2017	2018	2019	Total
Water Mains								
Annual Water Main Replacement Program	WTM-00-001	2	575,000	400,000	350,000	725,000	550,000	2,600,000
East First Street Rural Water Main Extension	WTM-14-001	4	35,000	435,000				470,000
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	4		60,000	735,000			795,000
SW Irvinedale Drive Feeder Main	WTM-15-001	2		150,000	1,700,000			1,850,000
Ash Tower Feeder Main	WTM-15-002	3			125,000	1,350,000		1,475,000
NW 5th Street Water Booster Station	WTM-15-003	4				150,000	1,600,000	1,750,000
Water Mains Total			610,000	1,045,000	2,910,000	2,225,000	2,150,000	8,940,000
GRAND TOTAL			15,724,934	13,567,607	18,371,840	17,200,000	7,380,000	72,244,381

City of Ankeny, Iowa
Capital Improvement Program
2015 thru 2019

PROJECTS BY YEAR

Project Name	Department	Project #	Priority	Project Cost
2015				
Uptown Street Shop & Water Shop Demolition	Administration	BLD-15-002	1	155,000
NW 13th Street RCB Culvert for Rock Creek	Public Works	BRG-14-001	2	80,000
SW Vintage Parkway	Prairie Trail Development	COR-07-004	3	250,000
SW Prairie Trail Parkway	Prairie Trail Development	COR-07-005	2	1,425,000
The District at Prairie Trail-Parking Lot Phase 3A	Prairie Trail Development	COR-15-002	1	1,570,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Prairie Ridge Sports Complex-Field Lighting	Parks and Recreation	PRK-09-001	4	250,000
Promenade Park Trail Connection-Phase 2	Parks and Recreation	PRK-09-003	1	280,000
Ankeny Market and Pavilion	Parks and Recreation	PRK-13-001	4	692,870
Miracle Park	Parks and Recreation	PRK-13-003	1	670,564
Prairie Ridge Sports Complex-Field Improvements	Parks and Recreation	PRK-14-001	3	52,300
Prairie Ridge Sports Complex-Drainage Improvements	Parks and Recreation	PRK-14-002	3	72,000
Prairie Ridge Complex-Additional Multi-Use Field	Parks and Recreation	PRK-15-001	1	74,000
Chautauqua Park Lake Area Restoration	Prairie Trail Development	PRK-15-003	1	65,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	570,000
High Trestle Trail-SW Ordinance Road Connection	Parks and Recreation	SDW-12-001	1	430,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	377,200
West Outfall Relief Sewer	Sewer Utility	SNS-12-002	3	1,635,000
SE Sharon Drive Sanitary Sewer Replacement	Sewer Utility	SNS-14-002	3	600,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	2	300,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	500,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	2	200,000
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	450,000
NE 36th Street Reconstruction	Public Works	STR-11-003	3	500,000
West 1st & State Street Intersection Improvements	Public Works	STR-13-005	2	1,650,000
SE Oralabor and Delaware Intersection Improvements	Public Works	STR-14-001	2	450,000
NW Irvindale Drive Safety Improvements	Public Works	STR-14-005	2	380,000
Ankeny Boulevard and 1st Street Intersection Study	Public Works	STR-15-001	1	25,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	973,000
School Zone Flashing Signals	Public Works	TRF-15-001	1	88,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	575,000
East First Street Rural Water Main Extension	Water Utility	WTM-14-001	4	35,000
Total for 2015				15,724,934
2016				
NW 13th Street RCB Culvert for Rock Creek	Public Works	BRG-14-001	2	350,000
SW Vintage Parkway	Prairie Trail Development	COR-07-004	3	2,300,000
The District at Prairie Trail-Parking Lot Phase 3B	Prairie Trail Development	COR-15-003	1	965,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Ankeny Market and Pavilion	Parks and Recreation	PRK-13-001	4	836,114
Miracle Park	Parks and Recreation	PRK-13-003	1	206,493
Prairie Ridge Sports Complex-Field Improvements	Parks and Recreation	PRK-14-001	3	55,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	165,000

Project Name	Department	Project #	Priority	Project Cost
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	400,000
Otter Creek Trunk Sewer-Phase 3	Sewer Utility	SNS-11-001	4	100,000
Wastewater Treatment Facilities Demolition	Sewer Utility	SNS-14-001	3	375,000
SE Sharon Drive Sanitary Sewer Replacement	Sewer Utility	SNS-14-002	3	650,000
Hidden Creek Trunk Sewer-Phase 1	Sewer Utility	SNS-14-003	4	45,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	2	250,000
Trib A to Four Mile Creek Channel Improvements	Storm Water Utility	STM-11-001	2	400,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	500,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	2	150,000
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	550,000
NE 36th Street Reconstruction	Public Works	STR-11-003	3	1,800,000
SE Oralabor and Delaware Intersection Improvements	Public Works	STR-14-001	2	1,425,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	650,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	400,000
East First Street Rural Water Main Extension	Water Utility	WTM-14-001	4	435,000
SE Four Mile Drive Rural Water Main Extension	Water Utility	WTM-14-003	4	60,000
SW Irvindale Drive Feeder Main	Water Utility	WTM-15-001	2	150,000
Total for 2016				13,567,607

2017

Fire Station #3	Fire	BLD-15-001	4	750,000
NE Delaware Avenue Pedestrian Bridge	Public Works	BRG-14-002	3	30,000
SW Des Moines Street Extension	Prairie Trail Development	COR-09-001	2	125,000
SW Des Moines Street Trunk Sewer	Prairie Trail Development	COR-13-002	3	1,030,000
SW Plaza Parkway and SW College Avenue Extension	Prairie Trail Development	COR-15-001	3	110,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Ankeny Market and Pavilion	Parks and Recreation	PRK-13-001	4	666,840
Hawkeye Park Sports Field Lighting	Parks and Recreation	PRK-13-002	3	235,000
Chautauqua Park Lake Recreational Trail	Prairie Trail Development	PRK-15-002	3	395,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	155,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	700,000
Otter Creek Trunk Sewer-Phase 3	Sewer Utility	SNS-11-001	4	1,750,000
Otter Creek Trunk Sewer-Phase 4	Sewer Utility	SNS-12-001	5	45,000
Wastewater Treatment Facilities Demolition	Sewer Utility	SNS-14-001	3	375,000
Hidden Creek Trunk Sewer-Phase 1	Sewer Utility	SNS-14-003	4	805,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	2	250,000
Storm Water Management Study and Master Plan	Storm Water Utility	STM-15-001	3	250,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	300,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	2	100,000
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	500,000
NE 36th Street Reconstruction	Public Works	STR-11-003	3	4,700,000
SE Oralabor and Delaware Intersection Improvements	Public Works	STR-14-001	2	1,375,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	465,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	350,000
SE Four Mile Drive Rural Water Main Extension	Water Utility	WTM-14-003	4	735,000
SW Irvindale Drive Feeder Main	Water Utility	WTM-15-001	2	1,700,000
Ash Tower Feeder Main	Water Utility	WTM-15-002	3	125,000
Total for 2017				18,371,840

2018

Fire Station #3	Fire	BLD-15-001	4	4,000,000
NE Delaware Avenue Pedestrian Bridge	Public Works	BRG-14-002	3	330,000
NE 54th Street Pedestrian Bridge/Trail Connection	Public Works	BRG-15-001	4	50,000

Project Name	Department	Project #	Priority	Project Cost
SW Des Moines Street Extension	Prairie Trail Development	COR-09-001	2	1,525,000
SW Des Moines Street Drainage Improvements	Prairie Trail Development	COR-13-003	3	1,800,000
SW Plaza Parkway and SW College Avenue Extension	Prairie Trail Development	COR-15-001	3	1,310,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Prairie Ridge Sports Complex-Field Lighting	Parks and Recreation	PRK-09-001	4	160,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	145,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	575,000
Otter Creek Trunk Sewer-Phase 4	Sewer Utility	SNS-12-001	5	870,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	2	250,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	500,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	2	100,000
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	500,000
SE Creekview Drive Paving and Drainage Improvement	Public Works	STR-05-003	3	1,085,000
E 1st Street and I-35 Interchange Reconstruction	Public Works	STR-11-004	2	1,000,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	425,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	725,000
Ash Tower Feeder Main	Water Utility	WTM-15-002	3	1,350,000
NW 5th Street Water Booster Station	Water Utility	WTM-15-003	4	150,000
Total for 2018				17,200,000

2019

NE 54th Street Pedestrian Bridge/Trail Connection	Public Works	BRG-15-001	4	400,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	110,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	350,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	2	250,000
SE Area Storm Sewer Improvements-Phase 3	Storm Water Utility	STM-10-001	2	235,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	500,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	2	100,000
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	500,000
SE Creekview Drive Paving and Drainage Improvement	Public Works	STR-05-003	3	1,085,000
E 1st Street and I-35 Interchange Reconstruction	Public Works	STR-11-004	2	1,000,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	350,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	550,000
NW 5th Street Water Booster Station	Water Utility	WTM-15-003	4	1,600,000
Total for 2019				7,380,000

GRAND TOTAL

72,244,381

City of Ankeny, Iowa
Capital Improvement Program
 2015 thru 2019

FUNDING SOURCE SUMMARY

Source	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances	877,000	218,000				1,095,000
Capital Reserve Cash Balances			425,000			425,000
Civic Trust Cash Balances	65,000		395,000			460,000
FHWA/IDOT Grants	1,200,000	375,000	300,000			1,875,000
G.O. Bonds	4,772,300	5,177,000	5,000,000	4,335,000	4,395,000	23,679,300
G.O. Bonds - Special Levy			750,000	4,000,000		4,750,000
G.O. Bonds - Storm Abated		400,000			235,000	635,000
G.O. Bonds - TIF Abated	3,525,000	3,265,000	1,265,000	4,635,000		12,690,000
Hawkeye Park Player Fees Cash Balances			50,000			50,000
Hotel/Motel Tax	125,000		175,000	80,000		380,000
MPO/STP Grants	150,000		2,250,000	150,000		2,550,000
Other Grants	50,000					50,000
Private Contributions	1,438,434	1,192,607	666,840	80,000		3,377,881
School/County Contributions		75,000				75,000
Sewer Cash Balances	2,612,200	1,570,000	3,675,000	1,445,000	350,000	9,652,200
Sports Complex Foundation Cash Balances			10,000			10,000
Storm Water Cash Balances	300,000	250,000	500,000	250,000	250,000	1,550,000
Water Cash Balances	610,000	1,045,000	2,910,000	2,225,000	2,150,000	8,940,000
GRAND TOTAL	15,724,934	13,567,607	18,371,840	17,200,000	7,380,000	72,244,381

City of Ankeny, Iowa
Capital Improvement Program
 2015 thru 2019

PROJECTS BY FUNDING SOURCE

Source	Project#	Priority	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances								
Uptown Street Shop & Water Shop Demolition	BLD-15-002	1	94,000					94,000
Annual Sidewalk/Trail Construction Program	SDW-00-001	2	190,000					190,000
High Trestle Trail-SW Ordinance Road Connection	SDW-12-001	1	230,000					230,000
Annual PCC Street Patching Program	STR-00-001	2		118,000				118,000
Annual Asphalt Street Resurfacing Program	STR-00-002	2	145,000					145,000
Annual Traffic Signal Improvement Program	TRF-00-001	3	218,000	100,000				318,000
Capital Project Cash Balances Total			877,000	218,000				1,095,000
Capital Reserve Cash Balances								
NE 36th Street Reconstruction	STR-11-003	3			425,000			425,000
Capital Reserve Cash Balances Total					425,000			425,000
Civic Trust Cash Balances								
Chautauqua Park Lake Recreational Trail	PRK-15-002	3			395,000			395,000
Chautauqua Park Lake Area Restoration	PRK-15-003	1	65,000					65,000
Civic Trust Cash Balances Total			65,000		395,000			460,000
FHWA/IDOT Grants								
West 1st & State Street Intersection Improvements	STR-13-005	2	500,000					500,000
SE Oralabor and Delaware Intersection Improvements	STR-14-001	2	325,000	300,000	300,000			925,000
Annual Traffic Signal Improvement Program	TRF-00-001	3	375,000	75,000				450,000
FHWA/IDOT Grants Total			1,200,000	375,000	300,000			1,875,000
G.O. Bonds								
Uptown Street Shop & Water Shop Demolition	BLD-15-002	1	61,000					61,000
NW 13th Street RCB Culvert for Rock Creek	BRG-14-001	2	80,000	350,000				430,000
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	3			30,000	180,000		210,000
NE 54th Street Pedestrian Bridge/Trail Connection	BRG-15-001	4				50,000	400,000	450,000
Annual Park Development Program	PRK-00-002	2	250,000	250,000	250,000	250,000	250,000	1,250,000
Prairie Ridge Sports Complex-Field Improvements	PRK-14-001	3	52,300	55,000				107,300
Prairie Ridge Sports Complex-Drainage Improvements	PRK-14-002	3	72,000					72,000
Prairie Ridge Complex-Additional Multi-Use Field	PRK-15-001	1	74,000					74,000
Annual Sidewalk/Trail Construction Program	SDW-00-001	2	380,000	165,000	155,000	145,000	110,000	955,000
High Trestle Trail-SW Ordinance Road Connection	SDW-12-001	1	50,000					50,000
Annual PCC Street Patching Program	STR-00-001	2	500,000	382,000	300,000	500,000	500,000	2,182,000
Annual Asphalt Street Resurfacing Program	STR-00-002	2	55,000	150,000	100,000	100,000	100,000	505,000
Annual Pavement Preservation Program	STR-00-003	1	100,000	100,000	100,000	100,000	100,000	500,000
Annual Street Replacement Program	STR-00-004	2	450,000	550,000	500,000	500,000	500,000	2,500,000

Source	Project#	Priority	2015	2016	2017	2018	2019	Total
SE Creekview Drive Paving and Drainage Improvement	STR-05-003	3				1,085,000	1,085,000	2,170,000
NE 36th Street Reconstruction	STR-11-003	3	500,000	1,800,000	2,025,000			4,325,000
E 1st Street and I-35 Interchange Reconstruction	STR-11-004	2				1,000,000	1,000,000	2,000,000
West 1st & State Street Intersection Improvements	STR-13-005	2	1,150,000					1,150,000
SE Oralabor and Delaware Intersection Improvements	STR-14-001	2	125,000	1,125,000	1,075,000			2,325,000
NW Irvinedale Drive Safety Improvements	STR-14-005	2	380,000					380,000
Ankeny Boulevard and 1st Street Intersection Study	STR-15-001	1	25,000					25,000
Annual Traffic Signal Improvement Program	TRF-00-001	3	380,000	250,000	465,000	425,000	350,000	1,870,000
School Zone Flashing Signals	TRF-15-001	1	88,000					88,000
G.O. Bonds Total			4,772,300	5,177,000	5,000,000	4,335,000	4,395,000	23,679,300

G.O. Bonds - Special Levy

Fire Station #3	BLD-15-001	4			750,000	4,000,000		4,750,000
G.O. Bonds - Special Levy Total					750,000	4,000,000		4,750,000

G.O. Bonds - Storm Abated

SE Area Storm Sewer Improvements-Phase 3	STM-10-001	2					235,000	235,000
Trib A to Four Mile Creek Channel Improvements	STM-11-001	2		400,000				400,000
G.O. Bonds - Storm Abated Total				400,000			235,000	635,000

G.O. Bonds - TIF Abated

SW Vintage Parkway	COR-07-004	3	250,000	2,300,000				2,550,000
SW Prairie Trail Parkway	COR-07-005	2	1,425,000					1,425,000
SW Des Moines Street Extension	COR-09-001	2			125,000	1,525,000		1,650,000
SW Des Moines Street Trunk Sewer	COR-13-002	3			1,030,000			1,030,000
SW Des Moines Street Drainage Improvements	COR-13-003	3				1,800,000		1,800,000
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	3			110,000	1,310,000		1,420,000
The District at Prairie Trail-Parking Lot Phase 3A	COR-15-002	1	1,570,000					1,570,000
The District at Prairie Trail-Parking Lot Phase 3B	COR-15-003	1		965,000				965,000
Promenade Park Trail Connection-Phase 2	PRK-09-003	1	280,000					280,000
G.O. Bonds - TIF Abated Total			3,525,000	3,265,000	1,265,000	4,635,000		12,690,000

Hawkeye Park Player Fees Cash Bala

Hawkeye Park Sports Field Lighting	PRK-13-002	3			50,000			50,000
Hawkeye Park Player Fees Cash Balances Total					50,000			50,000

Hotel/Motel Tax

Prairie Ridge Sports Complex-Field Lighting	PRK-09-001	4	125,000			80,000		205,000
Hawkeye Park Sports Field Lighting	PRK-13-002	3			175,000			175,000
Hotel/Motel Tax Total			125,000		175,000	80,000		380,000

MPO/STP Grants

NE Delaware Avenue Pedestrian Bridge	BRG-14-002	3				150,000		150,000
High Trestle Trail-SW Ordinance Road Connection	SDW-12-001	1	150,000					150,000
NE 36th Street Reconstruction	STR-11-003	3			2,250,000			2,250,000

Source	Project#	Priority	2015	2016	2017	2018	2019	Total
MPO/STP Grants Total			150,000		2,250,000	150,000		2,550,000
Other Grants								
Ankeny Market and Pavilion	PRK-13-001	4	50,000					50,000
Other Grants Total			50,000					50,000
Private Contributions								
Prairie Ridge Sports Complex-Field Lighting	PRK-09-001	4	125,000			80,000		205,000
Ankeny Market and Pavilion	PRK-13-001	4	642,870	836,114	666,840			2,145,824
Miracle Park	PRK-13-003	1	670,564	206,493				877,057
Annual Traffic Signal Improvement Program	TRF-00-001	3		150,000				150,000
Private Contributions Total			1,438,434	1,192,607	666,840	80,000		3,377,881
School/County Contributions								
Annual Traffic Signal Improvement Program	TRF-00-001	3		75,000				75,000
School/County Contributions Total				75,000				75,000
Sewer Cash Balances								
Annual Sanitary Sewer Replacement Program	SNS-00-001	2	377,200	400,000	700,000	575,000	350,000	2,402,200
Otter Creek Trunk Sewer-Phase 3	SNS-11-001	4		100,000	1,750,000			1,850,000
Otter Creek Trunk Sewer-Phase 4	SNS-12-001	5			45,000	870,000		915,000
West Outfall Relief Sewer	SNS-12-002	3	1,635,000					1,635,000
Wastewater Treatment Facilities Demolition	SNS-14-001	3		375,000	375,000			750,000
SE Sharon Drive Sanitary Sewer Replacement	SNS-14-002	3	600,000	650,000				1,250,000
Hidden Creek Trunk Sewer-Phase 1	SNS-14-003	4		45,000	805,000			850,000
Sewer Cash Balances Total			2,612,200	1,570,000	3,675,000	1,445,000	350,000	9,652,200
Sports Complex Foundation Cash Balances								
Hawkeye Park Sports Field Lighting	PRK-13-002	3			10,000			10,000
Sports Complex Foundation Cash Balances Total					10,000			10,000
Storm Water Cash Balances								
Annual Storm Water Replacement Program	STM-00-001	2	300,000	250,000	250,000	250,000	250,000	1,300,000
Storm Water Management Study and Master Plan	STM-15-001	3			250,000			250,000
Storm Water Cash Balances Total			300,000	250,000	500,000	250,000	250,000	1,550,000
Water Cash Balances								
Annual Water Main Replacement Program	WTM-00-001	2	575,000	400,000	350,000	725,000	550,000	2,600,000
East First Street Rural Water Main Extension	WTM-14-001	4	35,000	435,000				470,000
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	4		60,000	735,000			795,000
SW Irvinedale Drive Feeder Main	WTM-15-001	2		150,000	1,700,000			1,850,000
Ash Tower Feeder Main	WTM-15-002	3			125,000	1,350,000		1,475,000
NW 5th Street Water Booster Station	WTM-15-003	4				150,000	1,600,000	1,750,000

Source	Project#	Priority	2015	2016	2017	2018	2019	Total
Water Cash Balances Total			610,000	1,045,000	2,910,000	2,225,000	2,150,000	8,940,000
GRAND TOTAL			15,724,934	13,567,607	18,371,840	17,200,000	7,380,000	72,244,381

Section 4

Capital Improvement Program

2015 thru 2019

City of Ankeny, Iowa

Department Fire
Contact Fire Chief
Type New Construction
Useful Life 40 years
Category Municipal Buildings
Priority 4 Less Important

Project #	BLD-15-001
Project Name	Fire Station #3

Description

Total Project Cost: \$4,750,000

Construction of a new fire station in northeast Ankeny using the same basic floor plan used for Fire Station #2 on SE Oralabor Road. The city should consider using the existing engineering and architecture work used for Fire Station #2 to save pre-construction costs. Fire Station #2 has proven to be a very functional and efficient design to accommodate current and future response apparatus. An important consideration for the target area for Fire Station #3 would be quick access to Interstate 35 for interstate incidents. If possible, the fire department recommends selecting a site that is already owned by the city to save land acquisition costs.

Justification

This project will provide adequate and timely emergency response to new commercial and residential development in the northern areas of the city, especially properties along and north of 36th Street. As the city continues to grow to the north, the fire department is becoming less and less able to respond to fires, medical emergencies and rescue calls with adequate response resources and within the City Council goal of 8 minutes, 80% of the time. Each fire station location should be able to cover their first due response area within four minutes travel time from the station. Fire Station #3 will also allow for an upgrade in our ISO rating from class 4 to class 3. The projected improvement in our ISO classification will reduce property insurance rates for all properties in the City of Ankeny.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			250,000			250,000
Construction Costs				4,000,000		4,000,000
Land/ROW Acquisition			500,000			500,000
Total			750,000	4,000,000		4,750,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - Special Levy			750,000	4,000,000		4,750,000
Total			750,000	4,000,000		4,750,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Fire
Contact Fire Chief
Type Improvement
Useful Life 40 years
Category Municipal Buildings
Priority 1 Urgent

Project #	BLD-15-002
Project Name	Uptown Street Shop & Water Shop Demolition

Description

Total Project Cost: \$155,000

This project includes the demolition of the former public works street shop and utilities water shop located at 713 SW 3rd Street in Uptown Ankeny. Includes asbestos removal, mitigating the contaminated oil pit in the street shop, utilities disconnections, and complete removal of the two buildings.

Justification

These two buildings are currently vacant and unused except for the storage of some Parks Department equipment. They are unsightly and are detrimental to the redevelopment efforts for the Uptown Ankeny area. These redevelopment efforts include repurposing this city property as a mixed-use development. To make the property more desirable for selling to potential developers, it is proposed to have the buildings raised and removed at this time.

Expenditures	2015	2016	2017	2018	2019	Total
Other Costs	155,000					155,000
Total	155,000					155,000

Funding Sources	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances	94,000					94,000
G.O. Bonds	61,000					61,000
Total	155,000					155,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

Priority 2 Very Important

Project #	BRG-14-001
Project Name	NW 13th Street RCB Culvert for Rock Creek

Description

Total Project Cost: \$430,000

New reinforced concrete box (RCB) culvert to accommodate future NW 13th Street extension across Rock Creek. Hydraulic analysis will be required to determine final culvert size. Twin, 12' (Width) x 10' (Height) x 100' (Length) preliminary sizing was used to develop the planning level opinion of cost.

Justification

The purpose of the project is to construct a new RCB culvert to convey flow from Rock Creek under the future NW 13th Street Extension to NW Weigel Drive. The new RCB culvert will support new development east of NW Weigel Drive, between NW 5th Street and NW 18th Street.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	50,000					50,000
Construction Costs		350,000				350,000
Land/ROW Acquisition	30,000					30,000
Total	80,000	350,000				430,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	80,000	350,000				430,000
Total	80,000	350,000				430,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works
Contact City Engineer
Type Replacement
Useful Life 40 years
Category Bridge/Box Culvert
Priority 3 Important

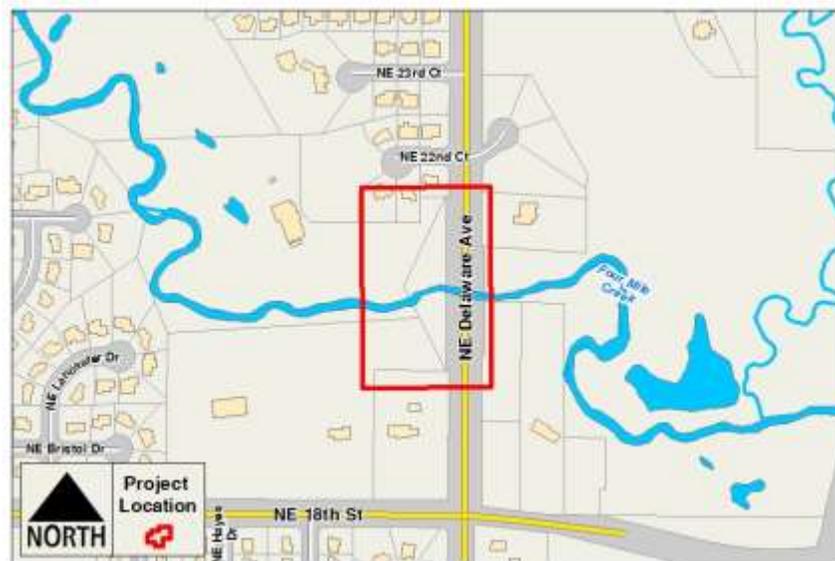
Project #	BRG-14-002
Project Name	NE Delaware Avenue Pedestrian Bridge

Description	Total Project Cost: \$360,000
Construction of a pedestrian bridge on NE Delaware Avenue over Four Mile Creek, just to the north of NE 18th Street. It is assumed the pedestrian bridge will be cantilevered off the existing roadway bridge.	

Justification
The bridge will connect existing 8' recreation trails across Four Mile Creek. The new bridge will allow students to access Northeast Elementary School from the neighborhoods to the north of this location and address citizen complaints about trail connectivity. The bridge was also targeted in the Safe Routes to School program. A federal TAP grant in the amount of \$150,000 will be used to help finance this project.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			30,000	30,000		60,000
Construction Costs				300,000		300,000
Total			30,000	330,000		360,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds			30,000	180,000		210,000
MPO/STP Grants				150,000		150,000
Total			30,000	330,000		360,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Corridor Development

Priority 3 Important

Project #	COR-07-004
Project Name	SW Vintage Parkway

Description

Total Project Cost: \$2,550,000

This project includes the extension of SW Vintage Parkway from just west of the intersection with SW College Avenue to the east terminus of the SW Vintage Parkway connection to SW Irvinedale Drive. This project also includes engineering design and construction services and associated paving, utility, landscaping and street lighting improvements.

Justification

The justification for this project is to support the current and planned development in this area of Prairie Trail. The project will improve the traffic flow for a large portion of Prairie Trail by completing a major street connection from SW State Street to SW Irvinedale Drive.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	250,000					250,000
Construction Costs		2,300,000				2,300,000
Total	250,000	2,300,000				2,550,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated	250,000	2,300,000				2,550,000
Total	250,000	2,300,000				2,550,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Corridor Development

Priority 2 Very Important

Project #	COR-07-005
Project Name	SW Prairie Trail Parkway

Description

Total Project Cost: \$4,225,000

This project includes the extension of SW Prairie Trail Parkway from the intersection of SW Irvinedale Drive and SW Woodbury Lane to the current terminus at SW Cascade Falls Drive. This project also includes engineering construction services and associated paving and utility improvements. The engineering design services for this project through the bidding and award are being completed in 2014.

Justification

The justification for this project is to support the current and planned development in this section of Prairie Trail. This project will improve the traffic flow in this area connecting residential, commercial, civic areas and providing an additional street connection to a signalized intersection with SW Irvinedale Drive. The construction contract for this project is scheduled to be awarded in 2014 with all construction activities occurring in 2015.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	120,000					120,000
Construction Costs	1,305,000					1,305,000
Total	1,425,000					1,425,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated	1,425,000					1,425,000
Total	1,425,000					1,425,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Corridor Development

Priority 2 Very Important

Project #	COR-09-001
Project Name	SW Des Moines Street Extension

Description

Total Project Cost: \$5,850,000

This phased project will extend SW Des Moines Street south to SW Magazine Road and ultimately to SW Prairie Trail Parkway. Phase 1 (2012) constructed SW Des Moines Street from SW Ordinance Road south to SW Elm Street. Phase 2 (2018 Construction) will run from SW Elm Street to SW 11th Street. Phase 3 (2021 construction) will run from SW 11th Street to SW Magazine Road. Phase 4 (2023 construction) will run from SW Magazine Road to SW Prairie Trail Parkway. A sanitary sewer trunk line and adjacent water quality features will be constructed separately.

Justification

This phased project will support development within Prairie Trail and improve traffic mobility in the corridor. The actual schedule for each phase of SW Des Moines Street will depend upon the adjacent development activities.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			125,000			125,000
Construction Costs				1,525,000		1,525,000
Total			125,000	1,525,000		1,650,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated			125,000	1,525,000		1,650,000
Total			125,000	1,525,000		1,650,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Corridor Development

Priority 3 Important

Project #	COR-13-002
Project Name	SW Des Moines Street Trunk Sewer

Description

Total Project Cost: \$1,030,000

Construction of a sanitary trunk sewer running south along a future alignment of SW Des Moines Street from the intersection with SW Elm Street to a future intersection with SW Prairie Trail Parkway, then west along a future SW Prairie Trail Parkway alignment to a connection point near the Soybean Association building.

Justification

The justification for this project is to support the planned development in the eastern portion of Prairie Trail. This project should be constructed in coordination with the other SW Des Moines Street projects. The timing of these projects will depend upon development activity in this area of Prairie Trail, so this project was moved out to 2017.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			160,000			160,000
Construction Costs			870,000			870,000
Total			1,030,000			1,030,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated			1,030,000			1,030,000
Total			1,030,000			1,030,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Corridor Development

Priority 3 Important

Project #	COR-13-003
Project Name	SW Des Moines Street Drainage Improvements

Description

Total Project Cost: \$4,460,000

Development of two large water quality basins that will be located adjacent to SW Des Moines Street between SW Prairie Trail Parkway and SW Elm Street. Includes outlet structure, impoundment construction, water quality features, public park improvements and special plantings.

Justification

These large basins will provide regional detention and water quality benefits for Prairie Trail. They will also function as large regional park facilities. These basins were originally contemplated in the overall Prairie Trail Master Plan.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design				300,000		300,000
Construction Costs				1,500,000		1,500,000
Total				1,800,000		1,800,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated				1,800,000		1,800,000
Total				1,800,000		1,800,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Corridor Development

Priority 3 Important

Project #	COR-15-001
Project Name	SW Plaza Parkway and SW College Avenue Extension

Description

Total Project Cost: \$1,420,000

Extension of SW College Avenue from SW Oralabor Road to a projected intersection with SW Plaza Parkway and the extension of SW Plaza Parkway from this projected intersection to its current terminus. This project also includes engineering design and construction services and associated paving and utility improvements.

Justification

The justification for this project is to support the current and planned development in this portion of Prairie Trail. This project will improve the traffic flow in this area by connecting residential and commercial areas and providing an additional street connection to SW Oralabor Road. The timing of this project will depend upon development activity, so the project is scheduled for design in 2017 and construction in 2018.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			110,000	110,000		220,000
Construction Costs				1,200,000		1,200,000
Total			110,000	1,310,000		1,420,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated			110,000	1,310,000		1,420,000
Total			110,000	1,310,000		1,420,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Corridor Development

Priority 1 Urgent

Project #	COR-15-002
Project Name	The District at Prairie Trail-Parking Lot Phase 3A

Description

Total Project Cost: \$1,570,000

Construction of Phase 3A of the public parking lots in The District at Prairie Trail and extension of a new street to connect the parking lot to SW Vintage Parkway. The project also includes engineering design and construction services and the purchase of city-supplied parking lot lighting materials.

Justification

The justification for this project is to support development activity planned for 2015 within The District at Prairie Trail. This project is scheduled for design and construction in 2015 to align with this planned activity.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	235,000					235,000
Construction Costs	1,285,000					1,285,000
Vehicle/Equipment	50,000					50,000
Total	1,570,000					1,570,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated	1,570,000					1,570,000
Total	1,570,000					1,570,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Corridor Development

Priority 1 Urgent

Project #	COR-15-003
Project Name	The District at Prairie Trail-Parking Lot Phase 3B

Description

Total Project Cost: \$965,000

Construction of Phase 3B of the public parking lots in The District at Prairie Trail and further extension of the street connecting the parking lot to SW Vintage Parkway. This project is the remaining 1/3 of the parking lot for Phase 3 and includes engineering design and construction services and the purchase of city-supplied parking lot lighting materials.

Justification

The justification for this project is to support development activity planned for 2015 and 2016 in The District at Prairie Trail. This project is scheduled for design and construction in 2016 to follow the completion of Phase 3A.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs		965,000				965,000
Total		965,000				965,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated		965,000				965,000
Total		965,000				965,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type Improvement
Useful Life 20 years
Category Park Facilities
Priority 2 Very Important

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

Description	Total Project Cost: \$4,150,000
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
<p>2015 Prairie Ridge Aquatic Center Enhancements: Toddler Slide, Guard House Painting, Family Slide Tub Reconstruction, Spray Park Piping, Concession Shade, Valve Replacement Sawgrass Swing Set</p> <p>2016 Sunrise Park Splash Pad Wildflower Turf Development Park Landscaping/Signage Program</p> <p>2017 Crestbruck Park Trail Overlay (tear out and rebuild of trail) Crestbruck Park New Playground (NW side of park) Greentree Tennis Court Reconstruction for Pickle Ball</p> <p>2018 Deer Creek Park Development - Phase I: Playground, Shelter, Trail Other projects TBD based on park dedication and pace of development</p> <p>2019 Watercrest Park Development - Phase II: Parking Lot, Shelter, Trail (additional NW land dedication) Other projects TBD based on park dedication and pace of developmen</p>

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type New Construction
Useful Life 40 years
Category Park Facilities
Priority 4 Less Important

Project # PRK-09-001
Project Name Prairie Ridge Sports Complex-Field Lighting

Description **Total Project Cost: \$410,000**
 Soccer Field Phase II Lighting: Phase II of Prairie Ridge Sports Complex Soccer Field Lighting consists of completing lighting on platforms 33, 34 & 36. This project will be completed for the fall soccer season 2015.

Justification
 The project is needed due to the growth of soccer play at the Prairie Ridge Sports Complex. Lighting additional soccer fields allows for added tournament play and accommodates the growth of the Iowa Rush Soccer Club. The project will be cost shared with the Iowa Rush Soccer Club.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	250,000			160,000		410,000
Total	250,000			160,000		410,000

Funding Sources	2015	2016	2017	2018	2019	Total
Hotel/Motel Tax	125,000			80,000		205,000
Private Contributions	125,000			80,000		205,000
Total	250,000			160,000		410,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type Improvement
Useful Life 40 years
Category Corridor Development
Priority 1 Urgent

Project #	PRK-09-003
Project Name	Promenade Park Trail Connection-Phase 2

Description

Total Project Cost: \$280,000

Extension of 8' recreation trail from the end point of the Phase 1 project behind Jethro's on the east side of the lake to SW Prairie Trail Parkway. It also includes installation of 8' recreation trail along SW Prairie Trail Parkway from SW State Street to SW Vintage Parkway and miscellaneous recreational items like trees, shrubs, boulder retaining wall, benches and a trash receptacle.

Justification

The justification for this project is to support the existing and planned development in The District at Prairie Trail and develop the City of Ankeny's park land in the area. This project also provides for the installation of trail along SW Prairie Trail Parkway adjacent to Promenade Park improving pedestrian mobility.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	35,000					35,000
Construction Costs	245,000					245,000
Total	280,000					280,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - TIF Abated	280,000					280,000
Total	280,000					280,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type New Construction
Useful Life 40 years
Category Park Facilities
Priority 4 Less Important

Project #	PRK-13-001
Project Name	Ankeny Market and Pavilion

Description **Total Project Cost: \$2,195,824**

The AMP consists of the following amenities: farmer’s market pavilion, trailhead, restroom facility, trail, plaza, and gateway entry features. The AMP will serve as the home of the Ankeny Farmer’s Market and the trailhead facility for the High Trestle Trail.

Justification

The \$2.2 million project will be funded primarily through private donations and grants. Project progress will reflect contributions and fundraising efforts. Public fundraising began in 2013. The city has contributed \$50,000 from hotel/motel tax funds towards this project. Site plans are being finalized with the groundbreaking and construction set to begin in 2015.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	692,870	836,114	666,840			2,195,824
Total	692,870	836,114	666,840			2,195,824

Funding Sources	2015	2016	2017	2018	2019	Total
Other Grants	50,000					50,000
Private Contributions	642,870	836,114	666,840			2,145,824
Total	692,870	836,114	666,840			2,195,824



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type Improvement
Useful Life 40 years
Category Park Facilities
Priority 3 Important

Project #	PRK-13-002
Project Name	Hawkeye Park Sports Field Lighting

Description

Total Project Cost: \$235,000

Hawkeye Park sports field lighting consists of new sports field lighting for two softball fields at Hawkeye Park Athletic Complex. The current lights are old, wearing out and do not provide ample lighting for safe adult play nor do they meet regulations for tournament activities.

Justification

The sports field lighting project would be cost shared with contributions from the following sources:
 Hotel/Motel Tax - \$175,000
 Sports Complex Foundation - \$10,000
 Hawkeye Park Player Fees - \$50,000

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs			235,000			235,000
Total			235,000			235,000

Funding Sources	2015	2016	2017	2018	2019	Total
Hawkeye Park Player Fees			50,000			50,000
Cash Balances						
Hotel/Motel Tax			175,000			175,000
Sports Complex Foundation			10,000			10,000
Cash Balances						
Total			235,000			235,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type Improvement
Useful Life 20 years
Category Park Facilities
Priority 3 Important

Project #	PRK-14-001
Project Name	Prairie Ridge Sports Complex-Field Improvements

Description	Total Project Cost: \$107,300
<p>Several critical improvements are needed at Prairie Ridge Sports Complex. These items are related to infrastructure and are the City's responsibility.</p> <p>These improvements are phased with dugout footings and new canopies for softball fields #41-46 being completed in 2014.</p>	

Justification
<p>2015 Dugout Footings for Baseball Fields #10 & #11 and Tee Ball Fields #12, #13, #14, #15: Dugout footings on numerous fields have heaved considerably due to seasonal freeze/thaw. These footings now protrude out of the ground. Irrigate Tee Ball Fields: The tee ball fields at the Complex are the only remaining fields that need underground irrigation.</p> <p>2016 Dugout Footings for Baseball Fields #5, #6, #7, #8, #9 Quad Center Trail Lighting: Baseball has requested safety trail lighting to their quad center where they hold their monthly meetings and do their money handling and deposits. This improvement would install two lights from the west parking lot between fields</p>

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	52,300	55,000				107,300
Total	52,300	55,000				107,300

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	52,300	55,000				107,300
Total	52,300	55,000				107,300

Capital Improvement Program

2015 thru 2019

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type Maintenance
Useful Life 20 years
Category Park Facilities
Priority 3 Important

Project # PRK-14-002
Project Name Prairie Ridge Sports Complex-Drainage Improvements

Total Project Cost: \$317,000

Description

Prairie Ridge Sports Complex soccer fields are in need of subsurface drainage and grading work. Platform #34 is in the poorest condition and needs to be addressed.

Justification

There are no subsurface drainage lines at the Prairie Ridge Sports Complex soccer fields. While some surface drainage does exist, due to the level of play and duration of seasonal usage, subsurface tiling is needed so that the fields can drain optimally. Currently numerous low areas exist on platform #34, resulting in standing water which poses a safety hazard for participants and cancellations when the complex experiences minimal rain. In addition, the slow draining water has caused an overabundance of practice cancellations, much to the frustration of staff and the Iowa Rush Soccer Club.

Platform #34 is in need of re-crowning and subsurface drainage. This eliminates low spots, standing water and also gets water off the playing surface in a more expedited manner. With play increasing every year and the fields being used extensively March through mid-November, the work would be done after the fall soccer season and not utilized until the fall of 2016. Specific details regarding the temporary movement of games and practices would occur with the Iowa Rush Soccer Club as the platform would be unplayable for the better part of the spring season.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	72,000					72,000
Total	72,000					72,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	72,000					72,000
Total	72,000					72,000

Capital Improvement Program

2015 thru 2019

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type New Construction
Useful Life 20 years
Category Park Facilities
Priority 1 Urgent

Project #	PRK-15-001
Project Name	Prairie Ridge Complex-Additional Multi-Use Field

Description

Total Project Cost: \$74,000

Develop remaining green space west of the Ash parking lot at Prairie Ridge Sports Complex to provide additional needed playing surface for growing city leagues and club sports.

Justification

The Prairie Ridge Sports Complex currently has an area of undeveloped green space that can be graded, crowned, irrigated and seeded for an additional multi-use field. The area is large enough to accommodate one 150' x 230' field or two 90' x 150' fields, similar dimensions to the current space occupied by fields #37 & #38. With the continued increase in activity at the complex (sharing of fields, participation growth trends, beginning of lacrosse, lighting of the fields) and the amount of wear and tear the fields are able to absorb while maintaining a safe playing surface, developing this additional green space would help alleviate congestion increased by demand and provide another viable option on site for activities to utilize.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	74,000					74,000
Total	74,000					74,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	74,000					74,000
Total	74,000					74,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development
Contact Parks and Recreation Director
Type New Construction
Useful Life 20 years
Category Corridor Development
Priority 3 Important

Project # PRK-15-002
Project Name Chautauqua Park Lake Recreational Trail

Description

Total Project Cost: \$395,000

Construction of 8' recreation trail in Chautauqua Park from SW Prairie Trail Parkway south along the west side of the lake to a residential street just south of the lake. It also includes the installation of 8' recreation trail along the park frontage to the residential street and miscellaneous recreational items like a pedestrian bridge, trees, shrubs, boulder retaining wall, benches and a trash receptacle.

Justification

The justification for this project is to support the existing and planned residential development in this area of Prairie Trail and develop the City of Ankeny's park land. This project also provides for the installation of trail along the residential street adjacent to Chautauqua Park improving pedestrian mobility and eliminating a future trail gap.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			50,000			50,000
Construction Costs			345,000			345,000
Total			395,000			395,000

Funding Sources	2015	2016	2017	2018	2019	Total
Civic Trust Cash Balances			395,000			395,000
Total			395,000			395,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Prairie Trail Development
Contact Parks and Recreation Director
Type New Construction
Useful Life 20 years
Category Corridor Development
Priority 1 Urgent

Project #	PRK-15-003
Project Name	Chautauqua Park Lake Area Restoration

Description	Total Project Cost: \$65,000
<p>This project includes the surface preparation, restoration and seeding work to establish maintainable turf grass in the lake area of Chautauqua Park. This project also includes engineering design and construction services.</p>	

Justification
<p>The justification for this project is to make the areas around the lake in this park maintainable by the Parks Department and usable by the general public. There is a fair amount of current and planned residential development adjacent to Chautauqua Park that will use the park for recreation activities.</p>

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	15,000					15,000
Construction Costs	50,000					50,000
Total	65,000					65,000

Funding Sources	2015	2016	2017	2018	2019	Total
Civic Trust Cash Balances	65,000					65,000
Total	65,000					65,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation
Contact Parks and Recreation Director
Type New Construction
Useful Life 20 years
Category Sidewalks/Trails
Priority 2 Very Important

Project #	SDW-00-001
Project Name	Annual Sidewalk/Trail Construction Program

Description	Total Project Cost: \$2,145,000
This program includes constructing pedestrian improvements adjacent to city streets:	
Sidewalk oversizing, 2015 - \$50,000	
Sidewalk gaps along city property, 2015 to 2019 - \$30,000/year	
SW Irvinedale Drive trail connection, 2015 - \$300,000	
SE Magazine Road trail connection - Phase 2 (Trilein Drive to Delaware Avenue), 2016 - \$135,000	
W First Street 8' sidewalk upgrade - Phase 1 (College Avenue to State Street), 2017 - \$125,000	
W First Street 8' sidewalk upgrade - Phase 2 (Linden Street to College Avenue), 2018 - \$115,000	
W First Street 8' sidewalk upgrade - Phase 3 (State Street to NW Elementary School), 2019 - \$80,000	

Justification
The purpose of this program is to provide new sections of recreation trails and sidewalks adjacent to the city's arterial and collector streets in order to promote non-motorized travel and a corresponding healthier lifestyle in Ankeny. These projects are completed in conjunction with the Parks & Recreation Department to maximize the connectivity of the overall trail system.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	570,000	165,000	155,000	145,000	110,000	1,145,000
Total	570,000	165,000	155,000	145,000	110,000	1,145,000

Funding Sources	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances	190,000					190,000
G.O. Bonds	380,000	165,000	155,000	145,000	110,000	955,000
Total	570,000	165,000	155,000	145,000	110,000	1,145,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Project #	SDW-12-001
Project Name	High Trestle Trail-SW Ordnance Road Connection

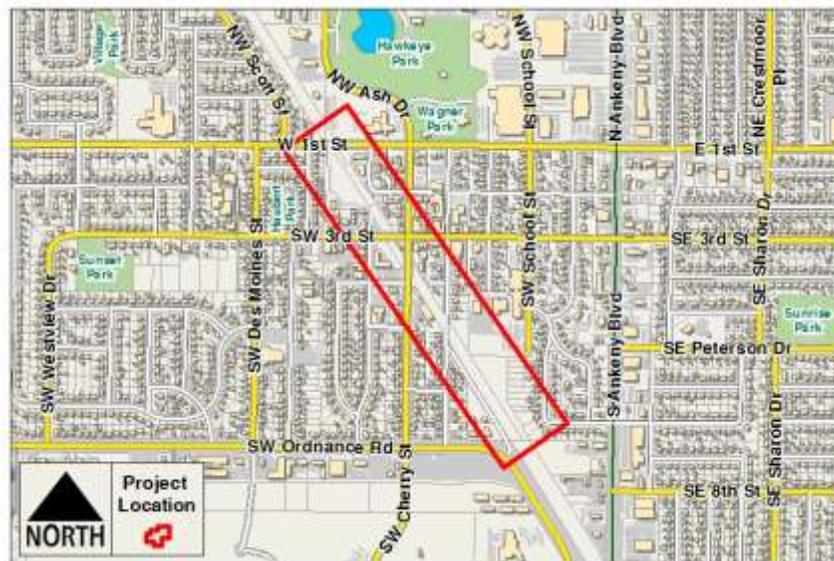
Type New Construction
Useful Life 40 years
Category Sidewalks/Trails
Priority 1 Urgent

Description	Total Project Cost: \$430,000
Construction of a 10' regional trail from West First Street to SW Ordnance Road on the abandoned Union Pacific Railroad grade. The project also includes engineering construction services and installing a pedestrian signal on West First Street and pavement markings for on-street bicycle accommodations along SW Cherry Street. The engineering design services for this project through the bidding and award were completed in 2014.	

Justification
The justification for this project is to provide an initial link between the High Trestle Trail and the two regional trails to the south, the Gay Lea Wilson Trail and Neal Smith Connector Trail. This project will also extend the High Trestle Trail across West First Street making regional trail connections to the Ankeny Market Pavilion site. This project received \$150,000 in federal TAP funding, which will be used in 2015 to help finance the construction. The construction contract for this project was awarded in 2014, with construction activities to begin in 2015.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	40,000					40,000
Construction Costs	390,000					390,000
Total	430,000					430,000

Funding Sources	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances	230,000					230,000
G.O. Bonds	50,000					50,000
MPO/STP Grants	150,000					150,000
Total	430,000					430,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Sewer Utility

Contact City Engineer

Type Maintenance

Useful Life 40 years

Category Sanitary Sewers

Priority 2 Very Important

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

Description

Total Project Cost: \$4,402,200

Annual allocation of capital improvement funds for repair and replacement of sanitary sewers and structures. Specific projects for 2015 to 2019 include:

Sanitary sewer oversizing, 2015 to 2019 - \$25,000/year
 Sanitary sewer spot repairs/manhole repairs/slip lining, 2015 - \$150,000; 2016 - \$25,000; 2017 - \$150,000; 2018 to 2019 - \$25,000
 Southlawn full reconstruction, 2015 - \$100,000; 2016 - \$300,000 (1/3 cost share)
 Eastlawn/Sherman/Parkview full reconstruction (3 phases), 2015 - \$25,000 (design); 2016 - \$50,000 (design); 2017 - \$300,000; 2018 - \$300,000; 2019 - \$300,000 (1/3 cost share)
 NE 3rd Street sanitary sewer study & upsizing, 2017 - \$225,000, 2018 - \$225,000

Potential future projects: SW 3rd Street sanitary sewer study & upsizing; NE Crestmoor Place sanitary sewer study & upsizing; Scott/Kline/3rd/2nd full reconstruction (4 phases) (1/3 cost share)

Justification

The City's sanitary sewer system is continually inspected and monitored by Public Works staff in order to assess the condition of the infrastructure and identify any portions that may need to be repaired or replaced. Public Works 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.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	377,200	400,000	700,000	575,000	350,000	2,402,200
Total	377,200	400,000	700,000	575,000	350,000	2,402,200

Funding Sources	2015	2016	2017	2018	2019	Total
Sewer Cash Balances	377,200	400,000	700,000	575,000	350,000	2,402,200
Total	377,200	400,000	700,000	575,000	350,000	2,402,200

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Sewer Utility
Contact City Engineer
Type New Construction
Useful Life 40 years
Category Sanitary Sewers
Priority 4 Less Important

Project #	SNS-11-001
Project Name	Otter Creek Trunk Sewer-Phase 3

Description	Total Project Cost: \$1,850,000
24" diameter, 21" diameter, and 15" diameter trunk sewer from the end of the existing Otter Creek Trunk Sewer Phase 2 on the east side of Interstate 35, extended east to NE 29th Street and south along NE 29th Street to one quarter mile south of NE 36th Street.	

Justification
The Otter Creek Trunk Sewer - Phase 3 initially started at the interstate and extended north to NE 54th Street. The revised project scope goes south instead of north to provide sewer service to the land south of NE 36th Street, as that area may experience development pressures first.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design		100,000	100,000			200,000
Construction Costs			1,400,000			1,400,000
Land/ROW Acquisition			250,000			250,000
Total		100,000	1,750,000			1,850,000

Funding Sources	2015	2016	2017	2018	2019	Total
Sewer Cash Balances		100,000	1,750,000			1,850,000
Total		100,000	1,750,000			1,850,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Sewer Utility

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Sanitary Sewers

Priority 5 Future Consideration

Project #	SNS-12-001
Project Name	Otter Creek Trunk Sewer-Phase 4

Description

Total Project Cost: \$915,000

24" diameter sanitary trunk sewer from the north end of Otter Creek Trunk Sewer - Phase 3 to NE 54th Street.

Justification

The previous Phase 4 project extended from NE 54th Street to NE 126th Avenue. The revised Phase 4 Project is south of NE 54th Avenue. The timing of this project will be depend upon development in the area of the NE 36th Street Interchange.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			45,000	45,000		90,000
Construction Costs				700,000		700,000
Land/ROW Acquisition				125,000		125,000
Total			45,000	870,000		915,000

Funding Sources	2015	2016	2017	2018	2019	Total
Sewer Cash Balances			45,000	870,000		915,000
Total			45,000	870,000		915,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Sewer Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Sanitary Sewers

Priority 3 Important

Project #	SNS-12-002
Project Name	West Outfall Relief Sewer

Description

Total Project Cost: \$1,635,000

This improvement involves providing additional pipe capacity from the John Deere lift station to an upstream connection point just south of the intersection of SW State Street and West 1st Street.

Justification

The justification for this project comes from residential complaints and ongoing maintenance issues from critical areas north of West 1st Street upstream and connecting to the existing trunk sanitary sewer. The cost estimate for this project was updated by Veenstra & Kimm, Inc., to reflect the current design scope for proposed construction in 2015.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	85,000					85,000
Construction Costs	1,550,000					1,550,000
Total	1,635,000					1,635,000

Funding Sources	2015	2016	2017	2018	2019	Total
Sewer Cash Balances	1,635,000					1,635,000
Total	1,635,000					1,635,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Sewer Utility

Contact City Engineer

Type Maintenance

Useful Life 40 years

Category Sanitary Sewers

Priority 3 Important

Project #	SNS-14-001
Project Name	Wastewater Treatment Facilities Demolition

Description

Total Project Cost: \$750,000

Demolition of old wastewater treatment plant facilities that are no longer needed after the plant closed in December 2013.

Justification

The wastewater treatment plant was taken offline in December 2013. Many of the existing structures (e.g. tanks, clarifiers) cannot be re-used or salvaged, and they are visually unappealing and a potential liability if left in place. The projected demolition costs only provide for breaking up the existing structures, collapsing them in their current location, backfilling with soil, and surface restoration. The costs shown do not account for complete removal and disposal of the structures.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs		375,000	375,000			750,000
Total		375,000	375,000			750,000

Funding Sources	2015	2016	2017	2018	2019	Total
Sewer Cash Balances		375,000	375,000			750,000
Total		375,000	375,000			750,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Sewer Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Sanitary Sewers

Priority 3 Important

Project #	SNS-14-002
Project Name	SE Sharon Drive Sanitary Sewer Replacement

Description

Total Project Cost: \$1,250,000

Replace existing 8" diameter sanitary sewer with new varying diameter (8'-12") sanitary sewer along SE Sharon Drive between SE Magazine Road and SE 8th Street. Phase 1 of the project, from SE 8th Street to SE 10th Street, is planned for 2015 construction. Phase 2 of the project, from SE 10th Street to SE Magazine Road, is planned for 2016 construction. The budget assumes in-house design and construction administration.

Justification

There is a history of sanitary sewer backups along SE 11th Street, SE Sharon Drive and SE Belmont Drive. Veenstra & Kimm, Inc. conducted a study in 2010 and determined the existing 8" diameter sewer along SE Sharon Drive from SE 8th Street to SE 11th Street is undersized for the existing flow volume and relatively shallow, causing sewer surcharges to back up into basements at the upper ends of the system. The original recommendation was to provide a parallel relief sewer but upon further review of the existing pipe condition, replacement is recommended between SE Magazine Road and SE 8th Street. The project budget has been updated to reflect the increased project scope.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	600,000	650,000				1,250,000
Total	600,000	650,000				1,250,000

Funding Sources	2015	2016	2017	2018	2019	Total
Sewer Cash Balances	600,000	650,000				1,250,000
Total	600,000	650,000				1,250,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Sewer Utility
Contact City Engineer
Type New Construction
Useful Life 40 years
Category Sanitary Sewers
Priority 4 Less Important

Project #	SNS-14-003
Project Name	Hidden Creek Trunk Sewer-Phase 1

Description	Total Project Cost: \$850,000
18" diameter trunk sewer from the Rock Creek Interceptor Sewer east of NW Weigel Drive and west of Rock Creek, extended west across NW Weigel Drive to the westerly line of Section 16-80-24.	

Justification
The Hidden Creek Trunk Sewer will provide sanitary sewer service for future development in the Rock Creek Development Basin.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design		45,000	45,000			90,000
Construction Costs			675,000			675,000
Land/ROW Acquisition			85,000			85,000
Total		45,000	805,000			850,000

Funding Sources	2015	2016	2017	2018	2019	Total
Sewer Cash Balances		45,000	805,000			850,000
Total		45,000	805,000			850,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Type Maintenance

Useful Life 20 years

Category Storm Water

Priority 2 Very Important

Project #	STM-00-001
Project Name	Annual Storm Water Replacement Program

Description	Total Project Cost: \$2,550,000
Annual allocation of capital improvement funds for repair and replacement of storm sewers, structures, channels, etc. Specific projects for 2015 include:	
Carlson Ridge Storm Sewer Extension - \$140,000	
Ashland Ridge Drainage Swale Repair - \$20,000	
NE 18th Street Channel Improvements - \$110,000	
Storm Water Detention Basin Maintenance Projects - \$10,000	
Storm Water Conservation Design Features within City Property - \$10,000	
Four Mile Creek Bank Stabilization Cost Sharing with Property Owners - \$10,000	
Potential future projects: NW Scott Area Drainage Improvements, NE Frisk Drainage Ditch Improvements, SE Cortina Area Drainage Improvements	

Justification
The purpose of the projects is to address storm water conveyance and erosion issues at the Ashland Ridge, Carlson Ridge, and NE 18th Street sites. Carlson Ridge is a high priority project because the erosion is severe and there are safety issues. Storm water conservation design projects will be added on City property to provide water quality improvements and serve as a demonstration for residents. Storm water detention basin maintenance projects will be used to improve the areas around storm water detention basins by mowing, establishing native buffers, and other necessary maintenance work. Four Mile Creek bank stabilization cost share assists residents in repairing unstable or eroding bank conditions.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	300,000	250,000	250,000	250,000	250,000	1,300,000
Total	300,000	250,000	250,000	250,000	250,000	1,300,000

Funding Sources	2015	2016	2017	2018	2019	Total
Storm Water Cash Balances	300,000	250,000	250,000	250,000	250,000	1,300,000
Total	300,000	250,000	250,000	250,000	250,000	1,300,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Storm Water

Priority 2 Very Important

Project #	STM-11-001
Project Name	Trib A to Four Mile Creek Channel Improvements

Description

Total Project Cost: \$400,000

Improvements to address stream channel erosion and associated impacts along NE Tributary A to Four Mile Creek. This includes preserving stable areas and wetlands; shaping the banks to establish stable slopes; installing rock revetment to protect the toe of the stream banks; establishing rock riffle grade controls; providing outfall protection measures to route runoff into the channel; and establishing native plantings.

Justification

This is the third of three phases. Phase 1 was constructed in 2013 and Phase 2 was constructed in 2014. The project costs are updated for the work remaining on Phase 3. The cost information includes \$100,000 of the current contract to be used for construction inspection services by the engineering firm.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs		400,000				400,000
Total		400,000				400,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds - Storm Abated		400,000				400,000
Total		400,000				400,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life

Category Storm Water

Priority 3 Important

Project # STM-15-001
Project Name Storm Water Management Study and Master Plan

Total Project Cost: \$250,000

Description

Comprehensive city-wide storm water management study and master plan. This will include studying future development areas, existing developed areas, and incorporating previously analyzed watersheds into the plan. The plan would also identify locations for and approximate sizes of possible regional storm water management facilities in undeveloped watersheds that would assist the city in preserving space and identifying future storm water capital improvement projects necessary to accommodate storm water runoff and protect downstream facilities.

Justification

The 2010 Ankeny Comprehensive Plan provided general information regarding the future needs for the city's storm water management system. The Storm Water Management Study and Master Plan will build upon previous reports and involve a comprehensive storm water management study. It will also provide specific, prioritized recommendations for improvements to the city's storm water management system.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			250,000			250,000
Total			250,000			250,000

Funding Sources	2015	2016	2017	2018	2019	Total
Storm Water Cash Balances			250,000			250,000
Total			250,000			250,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Priority 2 Very Important

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

Total Project Cost: \$5,000,000

Description

This program includes individual PCC street patches and intakes and curb ramp repairs throughout Ankeny. The patching projects that are bid annually from this program are designed and construction administered in-house by Engineering Division staff. Patch locations are chosen based on field conditions (rideability and defects). Specific large-scale utility projects are also partially funded through this program. These include:

Southlawn Full Reconstruction (Phases 4 & 5), 2015 - \$100,000; 2016 - \$300,000 (1/3 cost share)

Eastlawn/Sherman/Parkview Full Reconstruction (3 phases), 2015 - \$25,000 (design); 2016 - \$50,000 (design); 2017 - \$300,000; 2018 - \$300,000; 2019 - \$300,000 (1/3 cost share)

Potential future project: Scott/Kline/3rd/2nd Full Reconstruction (4 phases) (1/3 cost share)

Justification

The Annual PCC Street Patching Program eliminates the most critical, spot location street defects within the city's street system. It is vital to maintain the older streets as they deteriorate over time in order to extend their useful life. The size of the street patching project will vary annually based upon available funds remaining after accounting for the 1/3 cost-sharing on the large-scale utility and pavement replacement projects.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	25,000	50,000				75,000
Construction Costs	475,000	450,000	300,000	500,000	500,000	2,225,000
Total	500,000	500,000	300,000	500,000	500,000	2,300,000

Funding Sources	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances		118,000				118,000
G.O. Bonds	500,000	382,000	300,000	500,000	500,000	2,182,000
Total	500,000	500,000	300,000	500,000	500,000	2,300,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Priority 2 Very Important

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

Description

Total Project Cost: \$1,150,000

The Annual Asphalt Street Resurfacing Program generally has focused on the HMA overlay of old County rural roadways that are now within the City of Ankeny corporate limits. These projects are designed and construction administered in-house by Engineering Division staff. Specific projects for 2015 include:

NW 36th Street Overlay, NW Irvinedale Drive to 1,850' East - \$175,000
 Overlay of Gravel Alley between SW Cherry and SW Walnut, north of SW 6th - \$25,000

Potential future projects: SW Ankeny Road, State to Oralabor (diamond grinding rehabilitation, \$125,000); SE Four Mile Drive, Oralabor to Magazine (possible cost share with Polk County); and SW Weigel Drive, Camden Ridge to SW Polk City Drive (possible cost share with Polk County)

Justification

Significant progress has been made on overlaying the existing asphalt rural roadways within the city. Engineering Division staff analyzed the condition of the few remaining rural roadways in Fall 2014 and the roadways are either in good condition or are PCC pavement. It is recommended that diamond grinding is used for rehabilitating SW Ankeny Road in 2016 or 2017, and that other streets are monitored on an annual basis to determine whether asphalt resurfacing and/or rehabilitation are needed. Due to the limited near-term need for asphalt resurfacing projects and the increasing need for street replacement projects, Public Works requests that a significant portion of the \$400,000 annual funding for the Asphalt Street Resurfacing Program be reallocated to the Annual Street Replacement Program.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	200,000	150,000	100,000	100,000	100,000	650,000
Total	200,000	150,000	100,000	100,000	100,000	650,000

Funding Sources	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances	145,000					145,000
G.O. Bonds	55,000	150,000	100,000	100,000	100,000	505,000
Total	200,000	150,000	100,000	100,000	100,000	650,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Priority 1 Urgent

Project # STR-00-003
Project Name Annual Pavement Preservation Program

Total Project Cost: \$1,000,000

Description

This program addresses the need for improved maintenance of our existing streets in the older sections of Ankeny. The preservation consists of cleaning, sawing, and sealing the existing cracks and joints in the concrete streets. A section of the inner city is completed each year.

Justification

This program was initiated in 2008. Since that time, it has been instrumental in prolonging pavement life and has increased the attractiveness of the streets. Keeping the moisture out of our pavements is vitally important to extending pavement life. The request at this time is to reduce the annual allocation from \$125,000 to \$100,000 by having Engineering Division staff design and administer construction of this program in-house. Public Works requests that the \$25,000 reduction be re-allocated to the Annual Street Replacement Program funding in order to help offset increasing construction costs.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 2 Very Important

Project #	STR-00-004
Project Name	Annual Street Replacement Program

Description

Total Project Cost: \$5,000,000

Full-depth pavement removal and replacement of streets determined to be in poor to very poor condition as rated by the Pavement Condition Index (PCI). Primary focus has been on collector streets/snow routes as identified in the 2008 Pavement Management Study. However, there is also a definite need to reconstruct residential streets. Projects generally include pavement replacement along with minor utility replacements.

2015: NW Greenwood Street – NW 5th Street to NW 9th Street - \$450,000
 2016: SE 3rd Street – SE Trilein Drive to SE Delaware Avenue (Phase 1) - \$550,000
 2017: SE 3rd Street – SE Trilein Drive to SE Delaware Avenue (Phase 2) - \$500,000
 2018: SE 3rd Street – SE Trilein Drive to SE Delaware Avenue (Phase 3) - \$500,000
 2019: SE 8th Street – South Ankeny Boulevard to SE Trilein Drive (Phase 1) - \$500,000

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 and would expand this program if additional funding was available. The engineering design and construction inspection associated with this program is completed in-house by the Engineering Division staff.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs	450,000	550,000	500,000	500,000	500,000	2,500,000
Total	450,000	550,000	500,000	500,000	500,000	2,500,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	450,000	550,000	500,000	500,000	500,000	2,500,000
Total	450,000	550,000	500,000	500,000	500,000	2,500,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-05-003
Project Name SE Creekview Drive Paving and Drainage Improvement

Type New Construction
Useful Life 20 years
Category Streets and Alleys
Priority 3 Important

Description **Total Project Cost: \$2,170,000**
 From East 1st Street to 700 feet south of East 1st Street, the typical rural section is 29' wide of 6" PCC pavement with no granular shoulders. From 700 feet to 4,100 feet south of East 1st Street, the typical rural section is 29' wide of 10" thick PCC pavement with 4' wide granular shoulders. From 4,100 feet to 4,600 feet south of East 1st Street, the typical rural section is 26' wide of 10" thick PCC pavement with 4' wide granular shoulders. The project includes replacing several large deteriorated pipe and box culverts.

Justification
 The existing gravel surface on this industrial service road requires substantial maintenance. After the wastewater treatment plant is fully abandoned, this street can be connected to Metro North to the south. It will need to be improved prior to it becoming a through street. The actual connection to Metro North is assumed to be completed in the future by developers. The north 700 feet is assumed to be 6" PCC temporary pavement due to this section being reconstructed in 2020 with the I-35 and East 1st Street Interchange project.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs				1,085,000	1,085,000	2,170,000
Total				1,085,000	1,085,000	2,170,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds				1,085,000	1,085,000	2,170,000
Total				1,085,000	1,085,000	2,170,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 3 Important

Project #	STR-11-003
Project Name	NE 36th Street Reconstruction

Description

Total Project Cost: \$7,000,000

Reconstruction of the existing two-lane rural roadway into a four-lane divided urban street with left turn lanes from just east of North Ankeny Boulevard to just west of NE Delaware Avenue. It is assumed the existing bridge over Four Mile Creek will be widened to accommodate the extra lanes.

Justification

As the north portion of Ankeny continues to grow and develop, traffic will continue to increase on NE 36th Street. This section will need to be reconstructed when traffic requires the expansion and prior to major construction beginning on the I-35 & East 1st Street Interchange project. The City has received a total of \$1,850,000 in FFY 2018 STP awards for the Phase 2 project. It is anticipated that additional STP funding will be secured and design will begin in 2015 with bridge construction occurring in 2016 and street reconstruction in 2017.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	500,000	500,000				1,000,000
Construction Costs		1,300,000	4,500,000			5,800,000
Street Lighting			200,000			200,000
Total	500,000	1,800,000	4,700,000			7,000,000

Funding Sources	2015	2016	2017	2018	2019	Total
Capital Reserve Cash Balances			425,000			425,000
G.O. Bonds	500,000	1,800,000	2,025,000			4,325,000
MPO/STP Grants			2,250,000			2,250,000
Total	500,000	1,800,000	4,700,000			7,000,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 2 Very Important

Project #	STR-11-004
Project Name	E 1st Street and I-35 Interchange Reconstruction

Description

Total Project Cost: \$2,000,000

Reconstruction of the East 1st Street and I-35 interchange into a diverging diamond and the widening of I-35 to a 6-lane section between East 1st Street and NE 36th Street. The design services were previously budgeted for and are currently in-progress. Iowa DOT has stated that the majority of the costs associated with the interchange reconstruction and interstate widening would be funded by the Iowa DOT. Based on the current project schedule, right-of-way acquisition will occur in 2017, and construction will occur in 2018, 2019 and 2020.

Justification

The design is currently in-progress for the interchange reconstruction and interstate widening. It is assumed that the city will have to fund a portion of the \$46 million construction project based upon initial discussions with the Iowa DOT. As a placeholder, it is estimated that the city will be responsible for \$1 million in each of the three construction years (2018 to 2020). The city's share of the construction costs will be clarified as the project is further developed.

Expenditures	2015	2016	2017	2018	2019	Total
Construction Costs				1,000,000	1,000,000	2,000,000
Total				1,000,000	1,000,000	2,000,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds				1,000,000	1,000,000	2,000,000
Total				1,000,000	1,000,000	2,000,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Streets and Alleys

Priority 2 Very Important

Project #	STR-13-005
Project Name	West 1st & State Street Improvements

Description

Total Project Cost: \$1,650,000

Pavement widening on West 1st Street and NW/SW State Street to provide dedicated left turn lanes at all four legs of the intersection. Traffic signal improvements will also be needed to accommodate the dedicated left turn lanes. Some right-of-way and easement acquisition will be required, and major franchise utility relocations will also be required.

Justification

This project will improve traffic safety and mobility at the West 1st Street and NW/SW State Street intersection by providing dedicated left turn lanes at all four legs of the intersection. There have been numerous crashes at this intersection as traffic volumes have increased over the past several years. The City of Ankeny was awarded \$500,000 in Traffic Safety Improvement Program (TSIP) funding in February 2014. The project includes \$200,000 to replace existing undersized water main within the project limits; therefore, water funds may be used to finance a portion of the project.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	200,000					200,000
Construction Costs	1,400,000					1,400,000
Street Lighting	25,000					25,000
Land/ROW Acquisition	25,000					25,000
Total	1,650,000					1,650,000

Funding Sources	2015	2016	2017	2018	2019	Total
FHWA/IDOT Grants	500,000					500,000
G.O. Bonds	1,150,000					1,150,000
Total	1,650,000					1,650,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Streets and Alleys

Priority 2 Very Important

Project #	STR-14-001
Project Name	SE Oralabor and Delaware Intersection Improvements

Description

Total Project Cost: \$3,250,000

Complete traffic and concept studies and develop concept alternatives; preliminary and final design and prepare plans, specifications and estimates; acquire right-of-way and/or easements; and construct improvements at the SE Oralabor Road and SE Delaware Avenue intersection and adjacent southbound I-35 entrance ramp. Construction of the improvements will likely need to be phased over multiple years.

Justification

The purpose of the project is to improve traffic capacity, mobility and safety at the intersection. Traffic volumes continue to increase at the intersection due to the on-going development and significant commercial traffic along the SE Oralabor Road and SE Delaware Avenue corridors. Since SE Oralabor Road is also IA Highway 160 in this area, Iowa DOT is leading and funding the study phase of the project.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	250,000	125,000	125,000			500,000
Construction Costs		1,250,000	1,250,000			2,500,000
Land/ROW Acquisition		50,000				50,000
Planning Estimate	200,000					200,000
Total	450,000	1,425,000	1,375,000			3,250,000

Funding Sources	2015	2016	2017	2018	2019	Total
FHWA/IDOT Grants	325,000	300,000	300,000			925,000
G.O. Bonds	125,000	1,125,000	1,075,000			2,325,000
Total	450,000	1,425,000	1,375,000			3,250,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Priority 2 Very Important

Project #	STR-14-005
Project Name	NW Irvinedale Drive Safety Improvements

Description

Total Project Cost: \$380,000

This project includes a study of the NW Irvinedale Drive corridor from West 1st Street to NW 18th Street with a focus on traffic safety and operational improvements. The project also includes the construction of guardrails and retaining walls at 2 locations along NW Irvinedale Drive as preliminary safety improvements. The locations of these improvements are on the west side of NW Irvinedale Drive between NW 5th Street and NW 9th Street and on both sides of NW Irvinedale Drive at the large box culvert crossing near Northcreek Park.

Justification

The purpose of this project is to study the NW Irvinedale Drive corridor and develop a concept plan for future improvements while addressing immediate safety concerns. NW Irvinedale Drive is an arterial street that serves the NW part of the City. This section of NW Irvinedale Drive is currently a rural section that was inherited from Polk County. There are intersections within the corridor that create bottlenecks due to the lack of left turn lanes, and there are some locations along the roadway with steep sideslopes which are considered potential safety issues.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	40,000					40,000
Construction Costs	325,000					325,000
Planning Estimate	15,000					15,000
Total	380,000					380,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	380,000					380,000
Total	380,000					380,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Priority 1 Urgent

Project #	STR-15-001
Project Name	Ankeny Boulevard and 1st Street Intersection Study

Description

Total Project Cost: \$25,000

Complete traffic and concept studies, develop concept alternatives and prepare a conceptual opinion of cost for improvements at the Ankeny Boulevard/US Highway 69 and 1st Street intersection. If the study shows that geometric and/or traffic signal improvements would be beneficial, Public Works staff will consider programming the design and construction phases for future years.

Justification

The purpose of the project is to determine whether traffic capacity, mobility and safety can be improved at the intersection. Traffic volumes continue to increase at the intersection due to the on-going development along Ankeny Boulevard and significant traffic along the Ankeny Boulevard and 1st Street corridors. Since Ankeny Boulevard is also US Highway 69, Public Works staff will discuss potentially partnering with the Iowa DOT on the study.

Expenditures	2015	2016	2017	2018	2019	Total
Planning Estimate	25,000					25,000
Total	25,000					25,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	25,000					25,000
Total	25,000					25,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Traffic Control

Priority 3 Important

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

Description	Total Project Cost: \$4,613,000
Proposed locations of new traffic signals:	
2015 – SW Oralabor Road & SW White Birch Drive Signal (\$547,000; \$200,000 U-STEP)	
2015 – SW Oralabor Road & SW State Street Pedestrian Signal (\$40,000)	
2015 – I-35 Corporate Woods Drive Northbound Exit Ramp Signal (\$386,000; \$175,000 U-STEP)	
2016 – West 1st Street & IA Highway 415 Signal (\$350,000; potential cost share with Polk County and Iowa DOT)	
2016 – SE Delaware Avenue & SE 54th Street Signal (\$300,000; construction ½ funded by developer)	
2017 – NW Irvinedale Drive & NW 18th Street Temporary Signal (\$85,000)	
2017 – SW State Street & SW Prairie Trail Parkway Signal (\$380,000)	
2018 – SE Delaware Avenue & SE 8th Street Signal (\$350,000)	
2018 – Fiber Optic Conduit Connection to The District (\$75,000)	
2019 –Traffic Signal Project (TBD) (\$350,000)	
Potential future projects: SW Ordnance Road and SW Cherry Street; SW State Street & SW Plaza Parkway; SW Oralabor Road & SW Glenbrooke/Westwinds; Fiber Optic Conduit Connection along Delaware Avenue from SE Magazine Road to East 1st Street; West 1st Street & Linden Street	

Justification
The City currently has 59 traffic signals. Having an effective and efficient traffic signal system improves traffic safety and mobility, reduces energy costs and enhances the quality of life for residents. The proposed locations of traffic signals shown above are reviewed annually and planning level costs are used. There is potential to obtain federal and/or state funding for signals proposed at intersections with state highways.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	75,000	50,000	75,000	50,000	50,000	300,000
Construction Costs	898,000	600,000	390,000	375,000	300,000	2,563,000
Total	973,000	650,000	465,000	425,000	350,000	2,863,000

Funding Sources	2015	2016	2017	2018	2019	Total
Capital Project Cash Balances	218,000	100,000				318,000
FHWA/IDOT Grants	375,000	75,000				450,000
G.O. Bonds	380,000	250,000	465,000	425,000	350,000	1,870,000
Private Contributions		150,000				150,000
School/County Contributions		75,000				75,000
Total	973,000	650,000	465,000	425,000	350,000	2,863,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Traffic Control

Priority 1 Urgent

Project #	TRF-15-001
Project Name	School Zone Flashing Signals

Total Project Cost: \$88,000

Description

This project includes the installation of "25 MPH WHEN FLASHING" advance warning signs with yellow flashing signals on the streets adjacent to these elementary school buildings:

Ashland Ridge Elementary School
Rock Creek Elementary School
Crocker Elementary School
Southeast Elementary School

Justification

The administration for the school district has requested that the posted speed limit on the streets adjacent to the schools within Ankeny be reduced to 25 mph during school start and dismissal times. Most of the schools within Ankeny are adjacent to streets that are already posted at 25 mph. Other locations already have advance warning signs with flashers that reduce the speed limit to 25 mph during school times. Of the ten elementary schools in Ankeny, the above four schools are the exceptions. Each of these schools has a nearby street posted over 25 mph, and each street has a posted school crossing (with a crossing guard). To create the school speed zones, advance regulatory signs with flashing signals will be installed at an estimated cost of \$20,000 each, with a nominal amount included for electrical engineering as needed.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	8,000					8,000
Vehicle/Equipment	80,000					80,000
Total	88,000					88,000

Funding Sources	2015	2016	2017	2018	2019	Total
G.O. Bonds	88,000					88,000
Total	88,000					88,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Water Utility

Contact City Engineer

Type Maintenance

Useful Life 40 years

Category Water Mains

Priority 2 Very Important

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

Description	Total Project Cost: \$5,100,000
Annual allocation of capital improvement funds for repair and replacement of water utility infrastructure. Specific projects for 2015 to 2019 include the following:	
Water main oversizing, 2015 to 2019 - \$50,000/year	
SW Maple Area Water Main Improvements (Phases 2 & 3), 2015 - \$400,000	
Southlawn full reconstruction (Phases 4 & 5), 2015 - \$100,000; 2016 - \$300,000 (1/3 cost share)	
Eastlawn/Sherman/Parkview full reconstruction (3 phases), 2015 - \$25,000 (design); 2016 - \$50,000 (design); 2017 - \$300,000; 2018 - \$300,000; 2019 - \$300,000 (1/3 cost share)	
SW 3rd Street (Maple to Scott) Water Main Improvements, 2018 - \$375,000	
West 1st Street (Chapel to Des Moines) Water Main Improvements (2 phases), 2019 - \$200,000; 2020 - \$375,000	
Potential future project: Scott/Kline/3rd/2nd full reconstruction (4 phases) (1/3 cost share)	

Justification
The water mains proposed for replacement are prioritized based upon their history of water main breaks. Public Works staff will be used for the design and construction observation whenever possible; however, the full reconstruction and utility replacement projects (Eastlawn and Scott Areas) anticipate the use of a consulting engineer.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	25,000	50,000				75,000
Construction Costs	550,000	350,000	350,000	725,000	550,000	2,525,000
Total	575,000	400,000	350,000	725,000	550,000	2,600,000

Funding Sources	2015	2016	2017	2018	2019	Total
Water Cash Balances	575,000	400,000	350,000	725,000	550,000	2,600,000
Total	575,000	400,000	350,000	725,000	550,000	2,600,000

Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Water Utility
Contact City Engineer
Type New Construction
Useful Life 20 years
Category Water Mains
Priority 4 Less Important

Project #	WTM-14-001
Project Name	East First Street Rural Water Main Extension

Description

Total Project Cost: \$470,000

16" diameter water main extension on the north side of East First Street from just east of NE Frisk Drive to future NE Four Mile Drive at the corporate limits. It is recommended that this extension be a 16" diameter main in order to serve future projected growth on the northeast side of the city.

Justification

This project was requested by the developer who owns property along East First Street within the corporate limits, but east of the unincorporated Greenwood Acres area. Although the water main extension can be along East First Street initially, it would need to be looped, so another project (SE Four Mile Drive Rural Water Main) is submitted on a separate request form to create the looped system. The proposed water mains are within the city's water service delivery area established in 1998.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design	35,000	35,000				70,000
Construction Costs		400,000				400,000
Total	35,000	435,000				470,000

Funding Sources	2015	2016	2017	2018	2019	Total
Water Cash Balances	35,000	435,000				470,000
Total	35,000	435,000				470,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Water Utility
Contact City Engineer
Type New Construction
Useful Life 20 years
Category Water Mains
Priority 4 Less Important

Project #	WTM-14-003
Project Name	SE Four Mile Drive Rural Water Main Extension

Description

Total Project Cost: \$795,000

16" diameter water main extension on the east side of SE Four Mile Drive from just north of SE Magazine Road (County NE 86th Avenue) to just north of East First Street (County NE 94th Avenue). It is recommended that this extension be a 16" diameter main in order to provide more capacity and better pressure to serve future projected growth east of Interstate 35.

Justification

This project will provide a loop connection between the proposed 2016 - East First Street Rural Water Main Extension and the existing Eastside Rural Water Main at SE Magazine Road. Maintaining a looped water distribution system provides redundancy and helps maintain system pressures and fire flows. The proposed water mains are within the city's water service delivery area established in 1998.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design		60,000	60,000			120,000
Construction Costs			675,000			675,000
Total		60,000	735,000			795,000

Funding Sources	2015	2016	2017	2018	2019	Total
Water Cash Balances		60,000	735,000			795,000
Total		60,000	735,000			795,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Water Utility
Contact City Engineer
Type New Construction
Useful Life 40 years
Category Water Mains
Priority 2 Very Important

Project #	WTM-15-001
Project Name	SW Irvinedale Drive Feeder Main

Description	Total Project Cost: \$1,850,000
Approximately 7,500 linear feet of 24" diameter water feeder main along SW Irvinedale Drive from the SW Water Tower to West 1st Street.	

Justification
The purpose of the project is to provide additional water capacity and help boost water pressure in the northwest part of Ankeny. This is the first of three near-term projects that would allow the city to eliminate its connection to the existing Polk City Feeder Main at NW 5th Street. The project's scope and schedule will be confirmed by the 2015 Water Storage and Distribution System Study and Master Plan.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design		125,000	125,000			250,000
Construction Costs			1,575,000			1,575,000
Land/ROW Acquisition		25,000				25,000
Total		150,000	1,700,000			1,850,000

Funding Sources	2015	2016	2017	2018	2019	Total
Water Cash Balances		150,000	1,700,000			1,850,000
Total		150,000	1,700,000			1,850,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Water Utility

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Water Mains

Priority 3 Important

Project #	WTM-15-002
Project Name	Ash Tower Feeder Main

Description

Total Project Cost: \$1,475,000

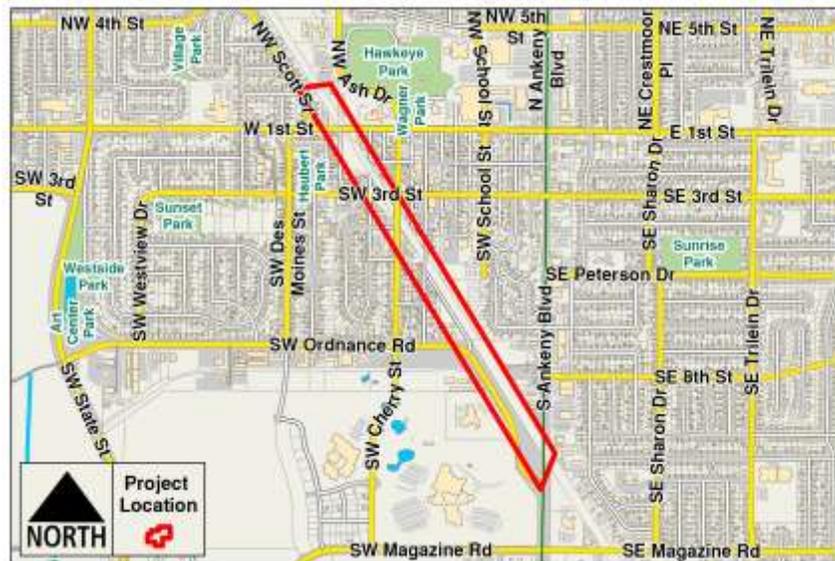
Approximately 5,600 linear feet of 24" diameter water feeder main along the abandoned railroad grade from the SW Ordnance Road/North Ankeny Boulevard intersection to the Ash Water Tower.

Justification

The purpose of the project is to provide additional water capacity to the Ash Tower and allow the city's water system to operate more efficiently by using only one pressure zone. This is the second of three near-term projects that would allow the city to eliminate its connection to the existing Polk City Feeder Main at NW 5th Street. The project's scope and schedule will be confirmed by the 2015 Water Storage and Distribution System Study and Master Plan.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design			100,000	100,000		200,000
Construction Costs				1,250,000		1,250,000
Land/ROW Acquisition			25,000			25,000
Total			125,000	1,350,000		1,475,000

Funding Sources	2015	2016	2017	2018	2019	Total
Water Cash Balances			125,000	1,350,000		1,475,000
Total			125,000	1,350,000		1,475,000



Capital Improvement Program

2015 *thru* 2019

City of Ankeny, Iowa

Department Water Utility
Contact City Engineer
Type New Construction
Useful Life 40 years
Category Water Mains
Priority 4 Less Important

Project #	WTM-15-003
Project Name	NW 5th Street Water Booster Station

Description

Total Project Cost: \$1,750,000

New water booster station at the old Rock Creek sanitary sewer lift station site on the north side of NW 5th Street, just east of North Creek. It is assumed the existing sanitary sewer lift station building can be re-used with modifications for the new water booster station building.

Justification

The purpose of the project is to help boost water pressure in the northwest part of Ankeny. This is the third of three near-term projects that would allow the city to eliminate its connection to the existing Polk City Feeder Main at NW 5th Street. The project's scope and schedule will be confirmed by the 2015 Water Storage and Distribution System Study and Master Plan.

Expenditures	2015	2016	2017	2018	2019	Total
Engineering-Design				150,000	100,000	250,000
Construction Costs					1,500,000	1,500,000
Total				150,000	1,600,000	1,750,000

Funding Sources	2015	2016	2017	2018	2019	Total
Water Cash Balances				150,000	1,600,000	1,750,000
Total				150,000	1,600,000	1,750,000



Section 5



City of Ankeny
2015 – 2019 Capital Improvements Program
Proposed Year 2015 Projects

Annual Park Development Program

1. Prairie Ridge Aquatic Center Enhancements

Annual Sidewalk / Trail Program

2. SW Irvinedale Drive Trail Connection

Annual Sanitary Sewer Replacement Program

3. SW Southlawn Area Utility Improvements Phase 4

Annual Storm Water Program

4. Carlson Ridge Storm Sewer Extension and NE 18th Street Channel Improvements

Annual PCC Street Patching Program

5. TBD

Annual Asphalt Street Resurfacing Program

6. NW 36th Street Overlay, from Rock Creek School to NW Irvinedale Drive

Annual Street Replacement Program

7. NW Greenwood Street, NW 5th Street to NW 9th Street

Annual Traffic Signal Improvement Program

8. SW Oralabor Road and SW White Birch Traffic Signals
8. I-35 / Corporate Woods Drive - Northbound Exit Ramp Signals

Annual Water Main Extension / Replacement Program

9. SW Maple Street Water Main Replacement
10. Uptown Street Shop & Water Shop Demolition
11. The District Public Parking Lot – Phase 3A



12. SW Prairie Trail Parkway Connection
13. Prairie Ridge Sports Complex – Field Lighting
14. Promenade Park Development
15. Ankeny Market and Pavilion
16. Miracle Park Project
17. Prairie Ridge Sports Complex
 - Field Improvements
 - Drainage Improvements
 - Additional Multi-Use Field
18. Chautauqua Park Lake Area Restoration
19. High Trestle Trail – SW Ordnance Road Connection
20. West Outfall Relief Sewer
21. SE Sharon Drive Sanitary Sewer Replacement
22. West First Street and State Street Intersection Improvements
23. NW Irvinedale Drive Safety Improvements
24. School Zone Flashing Signals



City of Ankeny
2015 – 2019 Capital Improvements Program
Proposed Year 2016 Projects

Annual Park Development Program

1. Sunrise Park Splash Pad and Wildflower Park Development

Annual Sidewalk / Trail Program

2. SE Magazine Road Trail Connection – Phase 2

Annual Sanitary Sewer Replacement Program

3. SW Southlawn Area Utility Improvements - Phase 5

Annual Street Replacement Program

4. SE 3rd Street – SE Trilein Drive to SE Delaware Avenue (Phased 1)

Annual Traffic Signal Improvement Program

5. West First Street and Highway 415 Traffic Signals
5. SE Delaware Avenue and SE 54th Street Traffic Signals
6. NW 13th Street RCB Culvert over Rock Creek
7. The District Public Parking Lot – Phase 3B
8. Ankeny Market and Pavilion
9. Miracle Park Project
10. Prairie Ridge Sports Complex – Field Improvements
11. Wastewater Treatment Facilities Demolition
12. SE Sharon Drive Sanitary Sewer Replacement
13. Tributary A to Fourmile Creek Channel Improvements -Phase 3

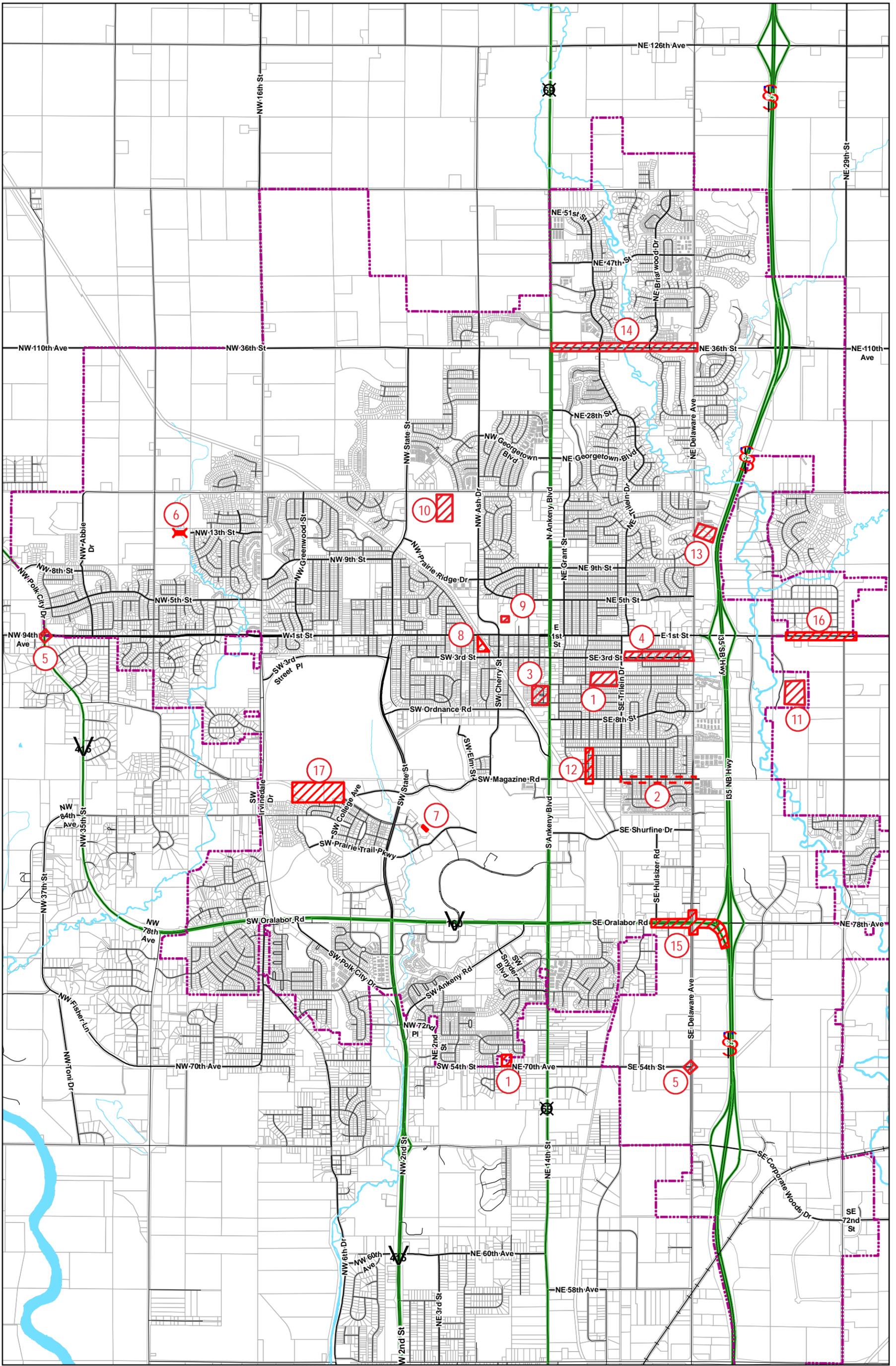


14. NE 36th Street Reconstruction

15. SE Oralabor Road and SE Delaware Avenue Intersection Improvements

16. East First Street Rural Water Main Extension

17. SW Vintage Parkway Extension





SW Vintage Parkway Extension

The District Public Parking Lot Phase 3A

The District Public Parking Lot Phase 3B (2016)

Chautauqua Park Lake Area Restoration

SW Prairie Trail Parkway

Promenade Park Development Trail Connection to SW Prairie Trail Parkway

2015 - 2019 Capital Improvements Program
Proposed Prairie Trail Projects
12/08/2014 - Scale : 1" = 800'

