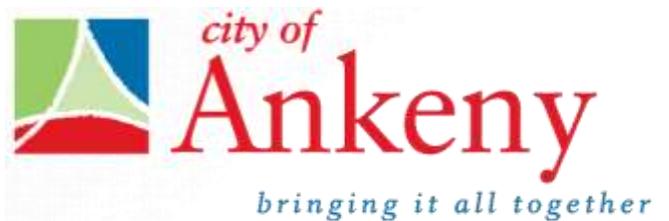




Capital Improvement Program

Calendar Years 2016 - 2020



2016-2020 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 2017 budget. It includes the costs associated with the 2016 capital projects, the first year of the 2016-2020 Capital Improvement Program.

The capital improvement program identifies capital needs, establishes priorities, and identifies secured and potential funding sources. Key resources used in formulating the capital improvement program include the Ankeny 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.

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 2016-2020 Capital Improvement Program reflects a \$40,196,569 increase in project expenditures over last year's program. A portion of this increase is attributed to the Civic Facility, estimated at \$13.396 million, which is scheduled for 2018 and will require a bond referendum. The plan also includes the addition of \$1.2 million for the purchase and replacement of fire apparatus, \$3.975 for street extensions in the District at Prairie Trail in anticipation of further development and construction of the Civic Facility and new street construction as a result of future elementary schools. 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 2016-2020 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, project type and purpose, funding sources, underlying studies, and reasons for the project's timing. This information is combined with other factors such as relevance to city council goals, method of financing, and whether or not it is 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
- Reduces hazards and improves public safety
- Advances a council goal or priority
- Improves efficiency
- Maintains standards of service
- Supports economic development
- Improves services and convenience
- Affordability
- Improves the quality of life or aesthetic values

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

Since the 2016 capital improvement projects will become part of the adopted 2017 budget, the emphasis in the capital improvement process is on the 2016 capital program. The projects for the remaining four years of the program become part of the city's long-term financial program. Although not an official part of the capital improvements program, an overall summary is included that contains an additional five years of proposed projects.

PROGRAM OVERVIEW

For 2016-2020, the capital improvement program totals \$112,440,950. Of the total, 36% is identified for transportation projects, 17% for municipal utilities (water, sewer and storm water) projects, 20% for Prairie Trail projects, 21% for municipal buildings, 3% for park facilities, 2% for sidewalks and trails and 1% for fire equipment.

Capital budget requirements for 2016 total \$14,852,100. Capital spending authorizations by project category for the upcoming year include:

Bridge/Box Culvert	\$ 480,000	3.23%
Prairie Trail	\$ 3,125,000	21.04%
Municipal Buildings	\$ 700,000	4.71%
Parks	\$ 1,330,600	8.96%
Sewer	\$ 1,339,000	9.02%
Sidewalks/Trails	\$ 430,000	2.89%
Storm Water	\$ 965,000	6.50%
Streets	\$ 4,700,000	31.65%
Traffic Control	\$ 500,000	3.37%
Water	\$ 1,282,500	8.63%

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 2016-2020 Capital Improvement Program with 60% 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 2016-2020 Capital Improvement Program.

Funding Source	Revenue (\$)	% of Revenue
Property Taxes	\$45,462,250	40%
Grants and Intergovernmental	7,485,387	7%
Tax Increment Financing	24,875,000	22%
Municipal Utilities Revenues	19,099,000	17%
Miscellaneous Revenues	15,519,313	14%
<hr/>		
Total	\$112,440,950	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 \$45,462,250, or 40%, of the overall financial plan. Property tax revenue is used to make principal and interest payments on general obligation debt issued by the city to pay for infrastructure projects.

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

1. Regular general obligation debt—debt service levy
2. Water-abated general obligation debt—reimbursement received from water fund
3. Sewer-abated general obligation debt—reimbursement received from sewer fund
4. Storm water-abated general obligation debt—reimbursement received from storm water fund
5. Tax increment financing (TIF)-abated general obligation debt—reimbursement received from tax increment financing fund

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

GRANTS & INTERGOVERNMENTAL

Each year staff looks for opportunities outside of the normal funding mechanisms (property taxes and utility rates) to assist with the construction of infrastructure projects. These opportunities can include awards of federal and state grants, regional resources, or assistance from other governments. The proposed capital improvement program financial plan identifies \$7,485,387 to be received from grant awards or intergovernmental assistance, representing 7% of all revenue sources.

The project most dependent upon grants and intergovernmental support is the NE 36th Street Reconstruction project, with construction cost estimated at \$8.35 million. Staff has secured \$2.6 million in federal support from the Des Moines Area Metropolitan Planning Organization (MPO). Additional MPO funding has been secured for the School Zone Flashing Signals and NE Delaware Avenue Pedestrian Bridge.

Secured assistance from the Iowa Department of Transportation (IDOT) includes Traffic Safety Improvement Program (TSIP) funding, Iowa Clean Air Attainment Program (ICAAP) funding, and Urban-State Traffic Engineering Program (U-STEP) funding for the SE Oralabor Road and SE Delaware Avenue Intersection Improvements. Other grants and county contributions include funding from the Community Attraction and Tourism (CAT) grant for the Ankeny Market and Pavilion project and participation from Polk County and the Iowa DOT for the construction of a traffic signal at West 1st Street and Iowa Highway 415.

TAX INCREMENT FINANCING

Of the five funding sources, \$24,875,000 or 22% of general obligation debt is financed through TIF abatements. The majority of TIF-abated projects are located within the Prairie Trail development. In 2016, SW Vintage Parkway from SW Irvinedale Drive to SW Magazine Road will be constructed. In addition, engineering for The District at Prairie Trail Parking Lot - Phase 3B and Merchant Street Extension, The District at Prairie Trail Street Extensions and the SW Prairie Trail Parkway from the FFA Enrichment Center to SW School Street will be completed in 2016 with construction planned in 2017.

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 \$19,099,000, or 17%, of the capital improvement program financial plan.

Annual programs for 2016 include the SW Southlawn Area Utility Improvements; Sanitary Sewer Spot Repairs and Slip Lining; Briarwood, north of Hillcrest Court, erosion repair; and the NE 18th Street Channel

Improvements. Large scale utility projects include the East First Street Rural Water Main Extension, SE Sharon Drive Sanitary Sewer Replacement and Tributary A to Four Mile Creek Channel Improvements.

MISCELLANEOUS REVENUES

The financial plan includes contributions from miscellaneous sources, totaling \$15,519,313, or 14%, of the 2016-2020 Capital Improvement Program. This includes capital project fund cash balances, capital reserve fund cash balances, civic trust fund contributions, Hawkeye Park player fees fund cash balances, hotel/motel tax revenues, private contributions and sports complex foundation fund cash balances. Private contributions represent 8.39% of total miscellaneous revenues, which are related to fundraising efforts for the Ankeny Market and Pavilion project and contributions from the sports groups for the installation of sports field lighting at Prairie Ridge Sports Complex and Hawkeye Park.

CONCLUSION

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

Projects proposed for completion from 2016 through 2020 will sustain existing infrastructure and support the expansion of new economic development opportunities. These projects 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 limited financing. With this in mind, the capital improvement program represents a balanced approach, making prudent investments while targeting construction in areas essential to sustaining Ankeny's commitment to attracting businesses, managing growth and expanding our quality of life.

Section 1

2016-2020 Capital Improvement Program

2016 CIP Projects by Funding Source

Project	Project #	2016	General Obligation Bonds				Revenue Bonds		Miscellaneous							
			Debt Service Levy	Storm Water	Tax Increment Financing	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Ankeny Community Foundation	Road Use Tax	Capital Reserve	Other	
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000													
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$430,000									\$430,000					
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$564,000									\$564,000					
Annual Storm Water Replacement Program	STM-00-001	\$365,000									\$365,000					
Annual PCC Street Patching Program	STR-00-001	\$500,000	\$400,000								\$100,000					
Annual Asphalt Street Resurfacing Program	STR-00-002	\$325,000	\$300,000												\$25,000	
Annual Pavement Preservation Program	STR-00-003	\$100,000									\$100,000					
Annual Street Replacement Program	STR-00-004	\$900,000	\$500,000													
Annual Traffic Signal Improvement Program	TRF-00-001	\$375,000	\$225,000							\$150,000				\$400,000		
Annual Water Main Replacement Program	WTM-00-001	\$420,000									\$420,000					
Fire Station #3	BLD-15-001	\$700,000				\$700,000										
NW 13th Street RCB Culvert - Rock Creek	BRG-14-001	\$480,000	\$480,000													
SW Vintage Parkway - SW Irvinedale Drive to SW Magazine Road	COR-07-004	\$2,600,000				\$2,600,000										
The District at Prairie Trail - Parking Lot Phase 3B and Merchant Street Extension	COR-15-003	\$50,000				\$50,000										
SW Prairie Trail Parkway - FFA Enrichment Center to SW School Street	COR-16-001	\$400,000				\$400,000										
The District at Prairie Trail - Street Extensions	COR-16-002	\$75,000				\$75,000										
Ankeny Market and Pavilion	PRK-13-001	\$847,600								\$280,387			\$567,213			
Prairie Ridge Sports Complex - Field Improvements	PRK-14-001	\$56,000	\$56,000													
Prairie Ridge Sports Complex - Drainage Improvements	PRK-14-002	\$72,000	\$72,000													
Chautauqua Park Lake Recreational Trail	PRK-15-002	\$20,000													\$20,000	
Community Trail Signage	PRK-16-001	\$85,000									\$85,000					
SE Sharon Drive Sanitary Sewer Replacement	SNS-14-002	\$750,000									\$750,000					
Hidden Creek Trunk Sewer - Phase 1	SNS-14-003	\$25,000									\$25,000					
Tributary A to Four Mile Creek Channel Improvements	STM-11-001	\$450,000				\$450,000										
Tradition Detention Basin and Channel Improvements	STM-16-001	\$150,000				\$150,000										
NE 36th Street Reconstruction	STR-11-003	\$2,475,000	\$2,475,000													
SE Oralabor Road and SE Delaware Avenue Intersection Improvements	STR-14-001	\$400,000	\$400,000													
School Zone Flashing Signals	TRF-15-001	\$125,000								\$80,000	\$45,000					
East First Street Rural Water Main Extension	WTM-14-001	\$625,000									\$625,000					
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	\$62,500									\$62,500					
SW Irvinedale Drive Feeder Main	WTM-15-001	\$175,000									\$175,000					
		\$14,852,100	\$5,158,000	\$600,000		\$3,125,000	\$700,000	\$0	\$0	\$510,387	\$3,661,500	\$85,000	\$567,213	\$400,000	\$0	\$45,000

2016 Bond Issue Project Costs	\$9,583,000
Additional Project Costs	\$0
Cost of Issuance	\$167,000
Projected 2016 Bond Issue Total	\$9,750,000

2016-2020 Capital Improvement Program

2017 CIP Projects by Funding Source

Project	Project #	2017	General Obligation Bonds				Revenue Bonds		Miscellaneous								
			Debt Service Levy	Storm Water	Tax Increment Financing	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Ankeny Community Foundation	Road Use Tax	Capital Reserve	Other		
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000														
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$385,000	\$250,000								\$135,000						
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$450,000									\$450,000						
Annual Storm Water Replacement Program	STM-00-001	\$250,000									\$250,000						
Annual PCC Street Patching Program	STR-00-001	\$475,000	\$475,000														
Annual Asphalt Street Resurfacing Program	STR-00-002	\$118,750	\$118,750														
Annual Pavement Preservation Program	STR-00-003	\$100,000	\$100,000														
Annual Street Replacement Program	STR-00-004	\$725,000	\$500,000											\$225,000			
Annual Traffic Signal Improvement Program	TRF-00-001	\$730,000	\$530,000							\$200,000							
Annual Water Main Replacement Program	WTM-00-001	\$375,000									\$375,000						
Fire Station #3	BLD-15-001	\$4,000,000				\$4,000,000											
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	\$30,000	\$30,000														
NE 54th Street Bridge Replacement and Trail	BRG-15-001	\$30,000	\$30,000														
SW Des Moines Street Trunk Sewer - SW Prairie Trail Parkway to SW Magazine Road	COR-13-002	\$37,500				\$37,500											
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	\$100,000				\$100,000											
The District at Prairie Trail - Parking Lot Phase 3B and Merchant Street Extension	COR-15-003	\$1,400,000				\$1,400,000											
SW Prairie Trail Parkway - FFA Enrichment Center to SW School Street	COR-16-001	\$4,100,000				\$4,100,000											
The District at Prairie Trail - Street Extensions	COR-16-002	\$1,200,000				\$1,200,000											
Ankeny Market and Pavilion	PRK-13-001	\$479,600										\$479,600					
Hawkeye Park Sports Field Lighting	PRK-13-002	\$235,000									\$60,000	\$175,000					
Prairie Ridge Sports Complex - Field Improvements	PRK-14-001	\$27,000	\$27,000														
Chautauqua Park Lake Recreational Trail	PRK-15-002	\$450,000															\$450,000
Hidden Creek Trunk Sewer - Phase 1	SNS-14-003	\$400,000									\$400,000						
Storm Water Management Study and Master Plan	STM-15-001	\$250,000									\$250,000						
Tradition Detention Basin and Channel Improvements	STM-16-001	\$800,000		\$800,000													
NE 36th Street Reconstruction	STR-11-003	\$5,875,000	\$3,275,000							\$2,600,000							
SE Oralabor Road and SE Delaware Avenue Intersection Improvements	STR-14-001	\$3,200,000	\$1,125,000							\$2,075,000							
Ankeny Boulevard and 1st Street Intersection Improvements	STR-15-001	\$95,000	\$95,000														
South Ankeny Boulevard and SE Shurfine Drive Intersection Improvements	STR-16-001	\$200,000	\$200,000														
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	\$912,500					\$912,500										
SW Irvinedale Drive Feeder Main	WTM-15-001	\$1,750,000					\$1,750,000										
Ash Tower Feeder Main	WTM-15-002	\$150,000					\$150,000										
		\$29,580,350	\$7,005,750	\$800,000	\$6,837,500	\$4,000,000	\$2,812,500	\$0	\$4,875,000	\$1,920,000	\$175,000	\$479,600	\$225,000	\$0	\$450,000		

2017 Bond Issue Project Costs	\$18,643,250
Additional Project Costs	\$0
Cost of Issuance	\$316,750
Projected 2017 Bond Issue Total	\$18,960,000

2016-2020 Capital Improvement Program

2018 CIP Projects by Funding Source

Project	Project #	2018	General Obligation Bonds				Revenue Bonds		Miscellaneous							
			Debt Service Levy	Storm Water	Tax Increment Financing	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Ankeny Community Foundation	Road Use Tax	Capital Reserve	Other	
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000													
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$200,000	\$200,000													
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$425,000							\$425,000							
Annual Storm Water Replacement Program	STM-00-001	\$250,000							\$250,000							
Annual PCC Street Patching Program	STR-00-001	\$450,000	\$450,000													
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	\$825,000	\$500,000													
Annual Traffic Signal Improvement Program	TRF-00-001	\$540,000	\$277,500								\$112,500			\$325,000		\$150,000
Annual Water Main Replacement Program	WTM-00-001	\$750,000									\$750,000					
Civic Facility	BLD-16-001	\$19,396,000				\$8,396,000									\$5,500,000	\$5,500,000
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	\$330,000	\$180,000						\$150,000							
NE 54th Street Bridge Replacement and Trail	BRG-15-001	\$60,000	\$60,000													
SW Des Moines Street Trunk Sewer - SW Prairie Trail Parkway to SW Magazine Road	COR-13-002	\$462,500				\$462,500										
SW Des Moines Street Drainage Improvements - Phase 1	COR-13-003	\$125,000				\$125,000										
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	\$1,275,000				\$1,275,000										
The District at Prairie Trail - Street Extensions	COR-16-002	\$1,525,000				\$1,525,000										
SW Des Moines Street Trunk Sewer - SW Magazine Road to SW Elm Street	COR-16-003	\$30,000				\$30,000										
SW Des Moines Street - SW Prairie Trail Parkway to SW Magazine Road	COR-16-004	\$275,000				\$275,000										
SW Plaza Parkway Extension - SW College Avenue to SW Prairie Trail Parkway	COR-16-005	\$125,000				\$125,000										
Fire Apparatus Replacement Program	OEC-16-001	\$1,200,000	\$1,200,000													
Prairie Ridge Sports Complex - Field Lighting	PRK-09-001	\$160,000										\$80,000				\$80,000
Prairie Ridge Sports Complex - Drainage Improvements	PRK-14-002	\$74,000	\$74,000													
Otter Creek Trunk Sewer - Phase 3	SNS-11-001	\$87,500								\$87,500						
NW Irvindale Drive Corridor Improvements	STR-14-005	\$2,025,000	\$2,025,000													
Ankeny Boulevard and 1st Street Intersection Improvements	STR-15-001	\$665,000	\$365,000							\$300,000						
South Ankeny Boulevard and SE Shurfine Drive Intersection Improvements	STR-16-001	\$2,500,000	\$2,500,000													
NW 18th Street Extension	STR-16-002	\$275,000	\$275,000													
Ash Tower Feeder Main	WTM-15-002	\$1,375,000					\$1,375,000									
NW 5th Street Water Booster Station	WTM-15-003	\$150,000					\$150,000									
		\$36,055,000	\$8,606,500	\$0	\$3,817,500	\$8,396,000	\$1,525,000	\$0	\$450,000	\$1,625,000	\$80,000	\$0	\$325,000	\$5,500,000	\$5,730,000	

2018 Bond Issue Project Costs	\$20,820,000
Additional Project Costs	\$0
Cost of Issuance	\$340,000
Projected 2018 Bond Issue Total	\$21,160,000

2016-2020 Capital Improvement Program

2019 CIP Projects by Funding Source

Project	Project #	2019	General Obligation Bonds			Revenue Bonds		Miscellaneous								
			Debt Service Levy	Storm Water	TIF	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Ankeny Community Foundation	Road Use Tax	Capital Reserve	Other	
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000													
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$275,000	\$275,000													
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$475,000								\$475,000						
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	\$150,000	\$150,000													
Annual Pavement Preservation Program	STR-00-003	\$100,000	\$100,000													
Annual Street Replacement Program	STR-00-004	\$850,000	\$500,000											\$350,000		
Annual Traffic Signal Improvement Program	TRF-00-001	\$350,000	\$350,000													
Annual Water Main Replacement Program	WTM-00-001	\$400,000								\$400,000						
NE 54th Street Bridge Replacement and Trail	BRG-15-001	\$710,000	\$710,000													
SW Des Moines Street Drainage Improvements - Phase 1	COR-13-003	\$1,675,000			\$1,675,000											
The District at Prairie Trail - Street Extensions	COR-16-002	\$1,175,000			\$1,175,000											
SW Des Moines Street Trunk Sewer - SW Magazine Road to SW Elm Street	COR-16-003	\$370,000			\$370,000											
SW Des Moines Street - SW Prairie Trail Parkway to SW Magazine Road	COR-16-004	\$3,675,000			\$3,675,000											
SW Plaza Parkway Extension - SW College Avenue to SW Prairie Trail Parkway	COR-16-005	\$1,700,000			\$1,700,000											
Prairie Ridge Sports Complex - Drainage Improvements	PRK-14-002	\$76,000	\$76,000													
Otter Creek Trunk Sewer - Phase 3	SNS-11-001	\$1,562,500						\$1,562,500								
Otter Creek Trunk Sewer - Phase 4	SNS-12-001	\$50,000						\$50,000								
SE Creekview Drive Paving and Drainage Improvements	STR-05-003	\$150,000			\$150,000											
NW 18th Street Extension	STR-16-002	\$3,225,000	\$3,225,000													
NW 5th Street Water Booster Station	WTM-15-003	\$1,600,000						\$1,600,000								
		\$19,568,500	\$6,136,000	\$0	\$8,745,000	\$0	\$1,600,000	\$1,612,500	\$0	\$1,125,000	\$0	\$0	\$350,000	\$0	\$0	

2019 Bond Issue Project Costs	\$14,881,000
Additional Project Costs	\$454,000
Cost of Issuance	\$220,000
Projected 2019 Bond Issue Total	\$15,555,000

2016-2020 Capital Improvement Program

2020 CIP Projects by Funding Source

Project	Project #	2019	General Obligation Bonds				Revenue Bonds		Miscellaneous							
			Debt Service Levy	Storm Water	TIF	Referendum	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Ankeny Community Foundation	Road Use Tax	Capital Reserve	Other	
Annual Park Development Program	PRK-00-002	\$250,000	\$250,000													
Annual Sidewalk/Trail Construction Program	SDW-00-001	\$225,000	\$225,000													
Annual Sanitary Sewer Replacement Program	SNS-00-001	\$525,000									\$525,000					
Annual Storm Water Replacement Program	STM-00-001	\$250,000									\$250,000					
Annual PCC Street Patching Program	STR-00-001	\$525,000	\$525,000													
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	\$625,000	\$500,000											\$125,000		
Annual Traffic Signal Improvement Program	TRF-00-001	\$350,000	\$350,000													
Annual Water Main Replacement Program	WTM-00-001	\$825,000									\$825,000					
High Trestle Trail Extension - SW Ordnance Road to SE Magazine Road	SDW-16-001	\$410,000	\$260,000							\$150,000						
Otter Creek Trunk Sewer - Phase 4	SNS-12-001	\$950,000									\$950,000					
SE Area Storm Sewer Improvements - Phase 3	STM-10-001	\$250,000		\$250,000												
SE Creekview Drive Paving and Drainage Improvements	STR-05-003	\$2,350,000			\$2,350,000											
SW Oralabor Road and SW Irvinedale Drive Intersection Improvements	STR-16-003	\$200,000	\$200,000													
West First Street Widening & Improvements - Phase 1	STR-16-004	\$4,400,000	\$2,900,000							\$1,500,000						
		\$12,385,000	\$5,460,000	\$250,000	\$2,350,000	\$0	\$0	\$0	\$1,650,000	\$2,550,000	\$0	\$0	\$125,000	\$0	\$0	

2020 Bond Issue Project Costs	\$8,060,000
Additional Project Costs	\$1,190,000
Cost of Issuance	\$160,000
Projected 2020 Bond Issue Total	\$9,410,000

Annual Sidewalk/Trail Construction Program

	<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>	<u>Projected</u> <u>2020</u>
Beginning Cash Balance	\$ 306,018	\$ 625,418	\$ 195,418	\$ 110,418	\$ 110,418	\$ 110,418
<u>Transfers In</u>						
General Obligation Bonds	\$ 330,000	\$ -	\$ 250,000	\$ 200,000	\$ 275,000	\$ 225,000
Close Project Fund - Neal Smith Trail	\$ 256,504					
Close Project Fund - Gay-Lea Wilson Trail	\$ 231,242					
Transfer from General Fund			\$ 50,000			
Total Transfers In	\$ 817,746	\$ -	\$ 300,000	\$ 200,000	\$ 275,000	\$ 225,000
<u>Project Expenditures</u>						
Sidewalk Oversizing		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Sidewalk Gaps		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
SW Irvinedale Drive Trail Connection (SW Woodbury Lane to Neal Smith Trail)	\$ 308,347					
W First Street 8' Sidewalk Upgrade - Phase 1 (College Avenue to State Street)		\$ 175,000				
S Ankeny Boulevard Trail Replacement		\$ 180,000				
W First Street 8' Sidewalk Upgrade - Phase 2 (Linden Street to College Avenue)			\$ 175,000			
Northcreek Park Trail Replacement			\$ 135,000			
W First Street 8' Sidewalk Upgrade - Phase 3 (State Street to NW Elementary)				\$ 125,000		
W First Street 8' Sidewalk Upgrade - Phase 4 (NW Elementary to High Trestle Trail)					\$ 200,000	
SE Magazine Road Trail Connection - Phase 2 (Trilein Drive to Delaware Avenue)						\$ 150,000
Total Project Expenditures	\$ 308,347	\$ 430,000	\$ 385,000	\$ 200,000	\$ 275,000	\$ 225,000
Transfers Out - High Trestle Trail - SW Ordnance Connection	\$ 190,000					
Remaining Cash Balance	<u>\$ 625,418</u>	<u>\$ 195,418</u>	<u>\$ 110,418</u>	<u>\$ 110,418</u>	<u>\$ 110,418</u>	<u>\$ 110,418</u>

<u>Annual Sanitary Sewer Replacement Program</u>	<u>Projected 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>	<u>Projected 2020</u>
Beginning Cash Balance	\$ 493,010	\$ 640,235	\$ 476,235	\$ 426,235	\$ 401,235	\$ 326,235
<u>Transfers In</u>						
Transfer from Sewer Fund	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000
Close Project Fund - Rock Creek Trunk Sewer	\$ 48,204					
Total Transfers In	\$ 448,204	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 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	\$ 129,895	\$ 175,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
NE 7th Street Sanitary Sewer Repair	\$ 33,595					
John Deere/SW Magazine Road Sanitary Sewer Abandonment		\$ 14,000				
SW Southlawn Area Utility Improvements	\$ 137,487	\$ 325,000				
SE Eastlawn Area Utility Improvements		\$ 25,000	\$ 325,000	\$ 300,000	\$ 325,000	
SW 3rd Street Sanitary Sewer Study & Upsizing						\$ 25,000
NW Northlawn Area Utility Improvements					\$ 25,000	\$ 375,000
Total Project Expenditures	\$ 300,978	\$ 564,000	\$ 450,000	\$ 425,000	\$ 475,000	\$ 525,000
Remaining Cash Balance	\$ 640,235	\$ 476,235	\$ 426,235	\$ 401,235	\$ 326,235	\$ 201,235

<u>Annual Storm Water Replacement Program</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>	<u>Projected</u> <u>2020</u>
Beginning Cash Balance	\$ 81,338	\$ 138,615	\$ 23,615	\$ 23,615	\$ 23,615	\$ 23,615
<u>Transfers In</u>						
Transfer from Storm Water Fund	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Total Transfers In	\$ 250,000					
<u>Project Expenditures</u>						
Carlson Ridge Storm Sewer Extension	\$ 156,135					
Clover Ridge West Storm Sewer Repair	\$ 11,866					
NE 18th Street Channel Improvements	\$ 24,722	\$ 150,000				
SE Magazine Road ROW Channel Stabilization/Spot Repair		\$ 25,000				
Briarwood, North of Hillcrest Court Erosion Repair		\$ 50,000				
NW Westwood and NW 5th Street Storm Sewer Joint Repairs		\$ 40,000				
NE Frisk Drive Drainage Ditch Improvements		\$ 50,000				
Storm Water Detention Basin Maintenance Projects		\$ 40,000				
Storm Water Conservation Design Features within City Property		\$ 10,000				
Storm Water Projects (TBD)			\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Total Project Expenditures	\$ 192,723	\$ 365,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Remaining Cash Balance	\$ 138,615	\$ 23,615				

<u>Annual PCC Street Patching Program</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>	<u>Projected</u> <u>2020</u>
Beginning Cash Balance	\$ 281,098	\$ 291,464	\$ 191,464	\$ 191,464	\$ 191,464	\$ 191,464
<u>Transfers In</u>						
General Obligation Bonds	\$ 500,000	\$ 400,000	\$ 475,000	\$ 450,000	\$ 500,000	\$ 525,000
Copy Charges	\$ 100					
Total Transfers In	\$ 500,100	\$ 400,000	\$ 475,000	\$ 450,000	\$ 500,000	\$ 525,000
<u>Project Expenditures</u>						
SW Southlawn Area Utility Improvements	\$ 137,364	\$ 325,000				
SE Eastlawn Area Utility Improvements		\$ 25,000	\$ 325,000	\$ 300,000	\$ 325,000	
NW Northlawn Area Utility Improvements					\$ 25,000	\$ 375,000
Full-Depth Street Patches and Intake Replacements	\$ 352,370	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Total Project Expenditures	\$ 489,734	\$ 500,000	\$ 475,000	\$ 450,000	\$ 500,000	\$ 525,000
Remaining Cash Balance	<u>\$ 291,464</u>	<u>\$ 191,464</u>				

<u>Annual Asphalt Street Resurfacing Program</u>	<u>Projected 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>	<u>Projected 2020</u>
Beginning Cash Balance	\$ 148,871	\$ (399)	\$ 20,601	\$ 20,601	\$ 20,601	\$ 20,601
<u>Transfers In</u>						
General Obligation Bonds	\$ 55,000	\$ 300,000	\$ 118,750	\$ 150,000	\$ 150,000	\$ 150,000
Developer Contributions		\$ 25,000				
Total Transfers In	\$ 55,000	\$ 325,000	\$ 118,750	\$ 150,000	\$ 150,000	\$ 150,000
<u>Project Expenditures</u>						
NW 36th Street & SW 6th Street Alley Overlay	\$ 203,817					
SW Irvinedale Drive Frontage Road Overlay	\$ 453	\$ 50,000				
NE 18th Street HMA Full-Depth East of Delaware		\$ 125,000				
Prairie Ridge Sports Complex HMA Parking Lot Repairs		\$ 30,000				
NE 94th Avenue/East First Street		\$ 99,000				
NE 22nd Street/NE Delaware Avenue			\$ 22,500			
NE 70th Avenue/SE 54th Street			\$ 96,250			
Asphalt Street Resurfacing (TBD)				\$ 150,000	\$ 150,000	\$ 150,000
Total Project Expenditures	\$ 204,270	\$ 304,000	\$ 118,750	\$ 150,000	\$ 150,000	\$ 150,000
Remaining Cash Balance	\$ (399)	\$ 20,601	\$ 20,601	\$ 20,601	\$ 20,601	\$ 20,601

<u>Annual Pavement Preservation Program</u>	<u>Projected 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>	<u>Projected 2020</u>
Beginning Cash Balance	\$ 47,986	\$ 147,986	\$ 47,986	\$ 47,986	\$ 47,986	\$ 47,986
<u>Transfers In</u>						
General Obligation Bonds	\$ 100,000	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Total Transfers In	\$ 100,000	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
<u>Project Expenditures</u>						
2016 Pavement Preservation Program		\$ 100,000				
2017 Pavement Preservation Program			\$ 100,000			
2018 Pavement Preservation Program				\$ 100,000		
2019 Pavement Preservation Program					\$ 100,000	
2020 Pavement Preservation Program						\$ 100,000
Total Project Expenditures	\$ -	\$ 100,000				
Remaining Cash Balance	\$ 147,986	\$ 47,986				

Annual Street Replacement Program

	<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>	<u>Projected</u> <u>2020</u>
Beginning Cash Balance	\$ 44,636	\$ (36,311)	\$ 38,689	\$ 38,689	\$ 38,689	\$ 38,689
Transfers In						
General Obligation Bonds	\$ 450,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Transfer from Road Use Tax Fund		\$ 400,000	\$ 225,000	\$ 325,000	\$ 350,000	\$ 125,000
Total Transfers In	\$ 450,000	\$ 900,000	\$ 725,000	\$ 825,000	\$ 850,000	\$ 625,000
Project Expenditures						
NW Greenwood Street - NW 14th Street to NW 18th Street	\$ 23,645					
NW Greenwood Street - NW 5th Street to NW 9th Street	\$ 507,301					
SE 3rd Street - SE Trilein Drive to SE Delaware Avenue (Phase 1)		\$ 825,000				
SE 3rd Street - SE Trilein Drive to SE Delaware Avenue (Phase 2)			\$ 725,000			
SE 8th Street - South Ankeny Boulevard to SE Trilein Drive (Phase 1)				\$ 825,000		
SE 8th Street - South Ankeny Boulevard to SE Trilein Drive (Phase 2)					\$ 850,000	
SE 8th Street - South Ankeny Boulevard to SE Trilein Drive (Phase 3)						\$ 625,000
Total Project Expenditures	\$ 530,947	\$ 825,000	\$ 725,000	\$ 825,000	\$ 850,000	\$ 625,000
Remaining Cash Balance	\$ (36,311)	\$ 38,689				

<u>Annual Traffic Signal Improvement Program</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>	<u>Projected</u> <u>2020</u>
Beginning Cash Balance	\$ 356,169	\$ 285,399	\$ 285,399	\$ 285,399	\$ 172,899	\$ 172,899
<u>Transfers In</u>						
General Obligation Bonds	\$ 380,000	\$ 225,000	\$ 530,000	\$ 277,500	\$ 350,000	\$ 350,000
Iowa Department of Transportation - USTEP	\$ 375,000					
Iowa Department of Transportation - USTEP		\$ 150,000				
Iowa Department of Transportation - Potential Cost Share			\$ 100,000			
Polk County - Potential Cost Share			\$ 100,000			
Developer Contributions				\$ 150,000		
Total Transfers In	\$ 755,000	\$ 375,000	\$ 730,000	\$ 427,500	\$ 350,000	\$ 350,000
<u>Project Expenditures</u>						
NW 26th Street Signals - Fiber Optic Cable	\$ 1,485					
SW Oralabor Road and SW White Birch Drive Signal	\$ 547,541					
SW Oralabor Road & SW State Street Pedestrian Signal	\$ 44,440					
I-35 Corporate Woods Drive Northbound Exit Ramp Signal	\$ 232,305					
SW State Street and SW White Birch Drive Signal		\$ 375,000				
West First Street and Highway 415 Signal			\$ 350,000			
SW State Street and SW Prairie Trail Parkway Signal			\$ 380,000			
NW Irvinedale Drive and NW 18th Street Temporary Signal				\$ 90,000		
Fiber Optic Conduit Connection to The District at Prairie Trail				\$ 150,000		
SE Delaware Avenue and SE 54th Street Signal				\$ 300,000		
Traffic Signal Project (TBD)					\$ 350,000	\$ 350,000
Total Project Expenditures	\$ 825,771	\$ 375,000	\$ 730,000	\$ 540,000	\$ 350,000	\$ 350,000
Remaining Cash Balance	\$ 285,399	\$ 285,399	\$ 285,399	\$ 172,899	\$ 172,899	\$ 172,899

<u>Annual Water Main Extension/Replacement Program</u>	<u>Projected 2015</u>	<u>Projected 2016</u>	<u>Projected 2017</u>	<u>Projected 2018</u>	<u>Projected 2019</u>	<u>Projected 2020</u>
Beginning Cash Balance	\$ 201,770	\$ 437,502	\$ 517,502	\$ 642,502	\$ 392,502	\$ 492,502
<u>Transfers In</u>						
Transfer from Water Fund	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Close Project Fund - Elevated Water Storage Facility	\$ 217,189					
Total Transfers In	\$ 717,189	\$ 500,000				
<u>Project Expenditures</u>						
Water Main Oversizing		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
SW Maple Street Water Main Improvements	\$ 344,259					
SW Southlawn Area Utility Improvements	\$ 137,198	\$ 325,000				
SE Eastlawn Area Utility Improvements		\$ 25,000	\$ 325,000	\$ 300,000	\$ 325,000	
SW Ankeny - Solenoid Valve Removal (4)		\$ 20,000				
SW 3rd Street (Maple to Scott) Water Main Improvements				\$ 400,000		
NW Northlawn Area Utility Improvements					\$ 25,000	\$ 375,000
W 1st Street (Chapel to Des Moines) Water Main Improvements						\$ 400,000
Total Project Expenditures	\$ 481,457	\$ 420,000	\$ 375,000	\$ 750,000	\$ 400,000	\$ 825,000
Remaining Cash Balance	\$ 437,502	\$ 517,502	\$ 642,502	\$ 392,502	\$ 492,502	\$ 167,502

2016-2025 Capital Improvement Plan

Projects By Year/Type	High Priority Projects										Project Cost	Special Funding	Project Type
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025			
	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	\$430,000	\$385,000	\$200,000	\$275,000	\$225,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$2,515,000	-	Sidewalks/Trails
Annual Sanitary Sewer Replacement Program	\$564,000	\$450,000	\$425,000	\$475,000	\$525,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$4,439,000	-	Sanitary Sewers
Annual Storm Water Replacement Program	\$365,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$2,615,000	-	Storm Water
Annual PCC Street Patching Program	\$500,000	\$475,000	\$450,000	\$500,000	\$525,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$4,950,000	-	Streets/Alleys
Annual Asphalt Street Resurfacing Program	\$325,000	\$118,750	\$150,000	\$150,000	\$150,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,893,750	-	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	\$900,000	\$725,000	\$825,000	\$850,000	\$625,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$6,425,000	-	Streets/Alleys
Annual Traffic Signal Improvement Program	\$375,000	\$730,000	\$540,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$4,095,000	-	Traffic Control
Annual Water Main Replacement Program	\$420,000	\$375,000	\$750,000	\$400,000	\$825,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,270,000	-	Water Mains
SW Vintage Parkway - SW Irvinedale Drive to SW Magazine Road	\$2,600,000										\$2,600,000	TIF	Prairie Trail
School Zone Flashing Signals	\$125,000										\$125,000	MPO	Traffic Control
Community Trail Signage	\$85,000										\$85,000	H/M	Sidewalks/Trails
NW 13th Street RCB Culvert - Rock Creek	\$480,000										\$480,000	-	Bridge/Box Culvert
SW Prairie Trail Parkway - FAA Enrichment Center to SW School Street	\$400,000	\$4,100,000									\$4,500,000	TIF	Prairie Trail
East First Street Rural Water Main Extension	\$625,000										\$625,000	-	Water Mains
Tributary A to Four Mile Creek Channel Improvements	\$450,000										\$450,000	-	Storm Water
SE Sharon Drive Sanitary Sewer Replacement	\$750,000										\$750,000	-	Sanitary Sewers
Chautauqua Park Lake Recreation Trail	\$20,000	\$450,000									\$470,000	Civic	Prairie Trail
Tradition Detention Basin and Channel Improvements	\$150,000	\$800,000									\$950,000	-	Storm Water
The District at Prairie Trail - Parking Lot Phase 3B and Merchant Street Extension	\$50,000	\$1,400,000									\$1,450,000	TIF	Prairie Trail
Prairie Ridge Sports Complex - Field Improvements	\$56,000	\$27,000									\$83,000	-	Park Facilities
South Ankeny Boulevard and SE Shurfine Drive Intersection Improvements		\$200,000	\$2,500,000								\$2,700,000	-	Streets/Alleys
Ankeny Market and Pavilion	\$847,600	\$479,600									\$1,327,200	Private, H/M	Park Facilities
SE Oralabor Road and SE Delaware Avenue Intersection Improvements	\$400,000	\$3,200,000									\$3,600,000	IDOT	Streets/Alleys
NE 36th Street Reconstruction	\$2,475,000	\$5,875,000									\$8,350,000	MPO	Streets/Alleys
Hidden Creek Trunk Sewer - Phase 1	\$25,000	\$400,000									\$425,000	-	Sanitary Sewers
SE Four Mile Drive Rural Water Main Extension	\$62,500	\$912,500									\$975,000	-	Water Mains
SW Irvinedale Drive Feeder Main	\$175,000	\$1,750,000									\$1,925,000	-	Water Mains
SW Des Moines Street Trunk Sewer - SW Prairie Trail Parkway to SW Magazine Road		\$37,500	\$462,500								\$500,000	TIF	Prairie Trail
Fire Station #3	\$700,000	\$4,000,000									\$4,700,000	Referendum	Municipal Buildings
The District at Prairie Trail - Street Extensions	\$75,000	\$1,200,000	\$1,525,000	\$1,175,000							\$3,975,000	Civic	Prairie Trail
Prairie Ridge Sports Complex - Drainage Improvements	\$72,000		\$74,000	\$76,000							\$222,000	-	Park Facilities
Storm Water Management Study and Master Plan		\$250,000									\$250,000	-	Storm Water
Hawkeye Park Sports Field Lighting		\$235,000									\$235,000	Private, H/M	Park Facilities
Ankeny Boulevard and 1st Street Intersection Improvements		\$95,000	\$665,000								\$760,000	IDOT	Traffic Control
SW Des Moines Street - SW Prairie Trail Parkway to SW Magazine Road			\$275,000	\$3,675,000							\$3,950,000	TIF	Prairie Trail
SW Des Moines Street Trunk Sewer - SW Magazine Road to SW Elm Street			\$30,000	\$370,000							\$400,000	TIF	Prairie Trail
SW Plaza Parkway and SW College Avenue Extension		\$100,000	\$1,275,000								\$1,375,000	TIF	Prairie Trail
SW Des Moines Street Drainage Improvements - Phase 1			\$125,000	\$1,675,000							\$1,800,000	TIF	Prairie Trail
NE Delaware Avenue Pedestrian Bridge		\$30,000	\$330,000								\$360,000	MPO	Bridge/Box Culvert
Ash Tower Feeder Main		\$150,000	\$1,375,000								\$1,525,000	-	Water Mains
NE 54th Street Bridge Replacement and Trail		\$30,000	\$60,000	\$710,000							\$800,000	MPO	Bridge/Box Culvert
Fire Apparatus Replacement Program			\$1,200,000								\$1,200,000	-	Fire
Civic Facility			\$19,396,000								\$19,396,000	Referendum	Municipal Buildings
NW Irvinedale Drive Corridor Improvements			\$2,025,000								\$2,025,000	-	Streets/Alleys
Prairie Ridge Sports Complex - Field Lighting			\$160,000								\$160,000	Private, H/M	Park Facilities
Otter Creek Trunk Sewer - Phase 3			\$87,500	\$1,562,500							\$1,650,000	-	Sanitary Sewers
SW Plaza Parkway Extension - SW College Avenue to SW Prairie Trail Parkway			\$125,000	\$1,700,000							\$1,825,000	TIF	Prairie Trail
NW 5th Street Water Booster Station			\$150,000	\$1,600,000							\$1,750,000	-	Water Mains
NW 18th Street Extension			\$275,000	\$3,225,000							\$3,500,000	-	Streets/Alleys
SE Creekview Drive Paving				\$150,000	\$2,350,000						\$2,500,000	TIF	Streets/Alleys
Otter Creek Trunk Sewer - Phase 4				\$50,000	\$950,000						\$1,000,000	-	Sanitary Sewers
SE Area Storm Sewer Improvements - Phase 3					\$250,000						\$250,000	-	Sanitary Sewers
High Trestle Trail Extension - SW Ordinance Road to SE Magazine Road					\$410,000						\$410,000	MPO	Park Facilities
West First Street Widening & Improvements - Phase 1					\$4,400,000						\$4,400,000	MPO	Streets/Alleys
Uptown Ankeny Parking Improvements						\$200,000					\$200,000	-	Streets/Alleys
SW Oralabor Road and SW Irvinedale Drive Intersection Improvements					\$200,000	\$2,300,000					\$2,500,000	MPO/IDOT	Traffic Control
SW Oralabor Road Feeder Main						\$1,102,000					\$1,102,000	-	Water Mains
West First Street Storm Sewer Improvements						\$3,238,000					\$3,238,000	-	Storm Water
NE Delaware Avenue Reconstruction (5th to 18th)						\$2,900,000	\$4,100,000				\$7,000,000	MPO	Streets/Alleys
NW 36th Street - Rock Creek Elementary to NW Irvinedale Drive (Four-Lane)						\$375,000	\$2,500,000				\$2,875,000	-	Streets/Alleys
Wastewater Treatment Facilities Demolition						\$350,000	\$350,000				\$700,000	-	Municipal Buildings
NW State Street Extension to NW Irvinedale Drive						\$1,700,000	\$2,000,000			\$7,000,000	\$10,700,000	-	Streets/Alleys
NE Four Mile Drive RCB Culvert (Deer Creek)						\$50,000	\$550,000				\$600,000	-	Streets/Alleys
Chautauqua Park Development						\$2,970,000	\$2,970,000	\$2,970,000			\$8,910,000	Civic	Prairie Trail

2016-2025 Capital Improvement Plan

Projects By Year/Type	High Priority Projects										Project Cost	Special Funding	Project Type
	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025			
	Woodland Reserve Greenway							\$700,000	\$700,000	\$700,000			
NW 18th Street Extension (NW 35th Street to Highway 415)							\$515,000	\$1,985,000			\$2,500,000	-	Streets/Alleys
SW Des Moines Street Drainage Improvements - Phase 2							\$1,460,000	\$1,200,000			\$2,660,000	TIF	Prairie Trail
West First Street Widening Improvements - Phase 2							\$500,000	\$2,000,000			\$2,500,000	MPO	Streets/Alleys
SW Des Moines St Extension - SW 11th Street to SW Elm Street							\$1,400,000		\$2,800,000		\$4,200,000	TIF	Prairie Trail
Municipal Utilities Combined Maintenance Facility								\$8,000,000			\$8,000,000	Referendum	Municipal Buildings
East First Street/Deer Creek 15" Sanitary Sewer								\$1,000,000			\$1,000,000	-	Sanitary Sewers
SW Ordnance Road Connection								\$250,000	\$2,000,000		\$2,250,000	MPO	Streets/Alleys
NE Four Mile Drive - East First Street to NE 18th Street								\$750,000	\$5,000,000		\$5,750,000	-	Streets/Alleys
NE Delaware Avenue Reconstruction (18th to 36th)								\$1,000,000	\$3,000,000	\$4,000,000	\$8,000,000	MPO	Streets/Alleys
East 1st Street Widening - Frisk Drive to NE Four Mile Drive									\$6,000,000		\$6,000,000	MPO	Streets/Alleys
NE 18th Street Improvements and I-35 Overpass 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										\$1,500,000	\$1,500,000	TIF	Streets/Alleys
Watercrest Community Park Expansion										\$500,000	\$500,000	-	Park Facilities
Corporate Woods Drive Railroad Overpass										\$8,000,000	\$8,000,000	Federal	Bridge/Box Culvert
	\$ 14,852,100	\$ 29,580,350	\$ 36,055,000	\$ 19,568,500	\$ 12,385,000	\$ 18,585,000	\$ 20,545,000	\$ 27,455,000	\$ 27,800,000	\$ 26,550,000	\$ 233,375,950		

2016 - 2025 Capital Projects Total = **\$ 233,375,950**

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 14-15:	(\$0.0500)
Tax Impact for FY 15-16:	(\$0.0500)
Tax Impact for FY 16-17:	
Tax Impact for FY 17-18:	
Tax Impact for FY 18-19:	(\$0.5000)

Fiscal Year	Total Tax Valuation	Tax Valuation Growth	Taxes Levied	Debt Levy	Utility/TIF Abatement	Misc Income	Property Tax Backfill	Total Resources	Par	Proceeds	Existing GO Debt	2016 CIP-Taxes	2017 CIP-Taxes	2018 CIP-Taxes	2019 CIP-Taxes	2020 CIP-Taxes	Future GO Debt	Bond Fees	Other Uses	Total Uses	Surplus/ (Deficit)	Ending Fund Balance
									\$5,960,000	\$5,858,000	\$11,190,000	\$11,005,750	\$12,800,000	\$12,602,500	\$6,685,000	\$6,590,000	\$6,765,000	\$6,650,000				
2011 - 2012	2,194,249,206	4.45%	7,677,678	\$3.4990	5,706,470			13,384,148		13,705,574								5,700	9,906	13,721,180	(337,032)	2,214,278
2012 - 2013	2,234,955,340	1.86%	9,722,055	\$4.3500	5,992,207			15,714,262		15,233,103								5,750	(8,332)	15,230,521	483,741	2,698,019
2013 - 2014	2,322,513,506	3.92%	10,102,933	\$4.3500	7,463,673			17,566,606		16,600,983								6,500	8,121	16,615,604	951,002	3,649,020
2014 - 2015	2,441,629,335	5.13%	10,499,005	\$4.3000	7,579,227	10,973	172,081	18,261,286		18,292,763								6,500	4,276	18,303,539	(42,254)	3,606,767
2015 - 2016	2,611,859,821	6.97%	11,100,404	\$4.2500	8,646,720	19,000	371,279	20,137,403		20,807,512								7,000		20,814,512	(677,109)	2,929,658
2016 - 2017	2,897,767,321	10.95%	12,315,511	\$4.2500	8,541,781	19,000	372,631	21,248,923	19,803,989	1,520,620							1,520,620	8,000		21,332,609	(83,686)	2,845,972
2017 - 2018	3,008,260,995	3.81%	12,785,109	\$4.2500	8,109,107	19,000	374,240	21,287,457	19,050,579	604,431	1,624,907						2,229,338	8,000		21,287,917	(460)	2,845,512
2018 - 2019	3,040,749,386	1.08%	11,402,810	\$3.7500	6,253,937	19,000	375,857	18,051,605	16,054,999	604,806	1,119,663	937,788					2,662,257	8,000		18,725,255	(673,650)	2,171,861
2019 - 2020	3,168,918,823	4.22%	11,883,446	\$3.7500	5,813,990	19,000	377,483	18,093,918	13,010,219	604,694	1,119,113	2,232,613	1,195,933				5,152,352	8,000		18,170,570	(76,652)	2,095,209
2020 - 2021	3,198,413,896	0.93%	11,994,052	\$3.7500	5,813,876	19,000	379,117	18,206,045	13,041,245	609,094	1,117,688	1,867,363	782,930	841,414			5,218,488	8,000		18,267,733	(61,688)	2,033,521
2021 - 2022	3,331,165,405	4.15%	12,491,870	\$3.7500	5,221,319	19,000	380,758	18,112,947	10,890,108	607,844	1,120,388	3,083,363	776,563	836,813			7,268,867	8,000		18,166,975	(54,027)	1,979,493
2022 - 2023	3,345,221,436	0.42%	12,544,580	\$3.7500	5,224,594	19,000	382,408	18,170,583	10,931,770	606,106	1,117,038	1,806,738	774,618	838,705			7,230,812	8,000		18,170,582	0	1,979,494
2023 - 2024	3,431,638,328	2.58%	12,868,644	\$3.7500	5,192,819	19,000	384,067	18,464,529	11,115,245	608,881	1,117,813	1,219,175	771,903	839,610			7,341,284	8,000		18,464,529	(0)	1,979,493

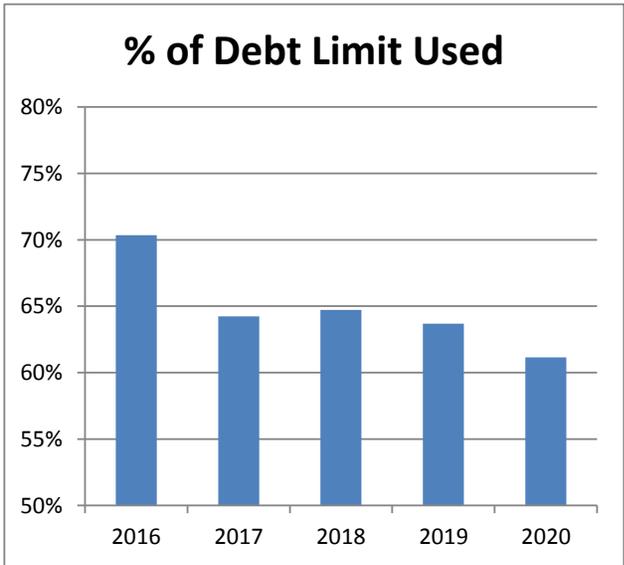
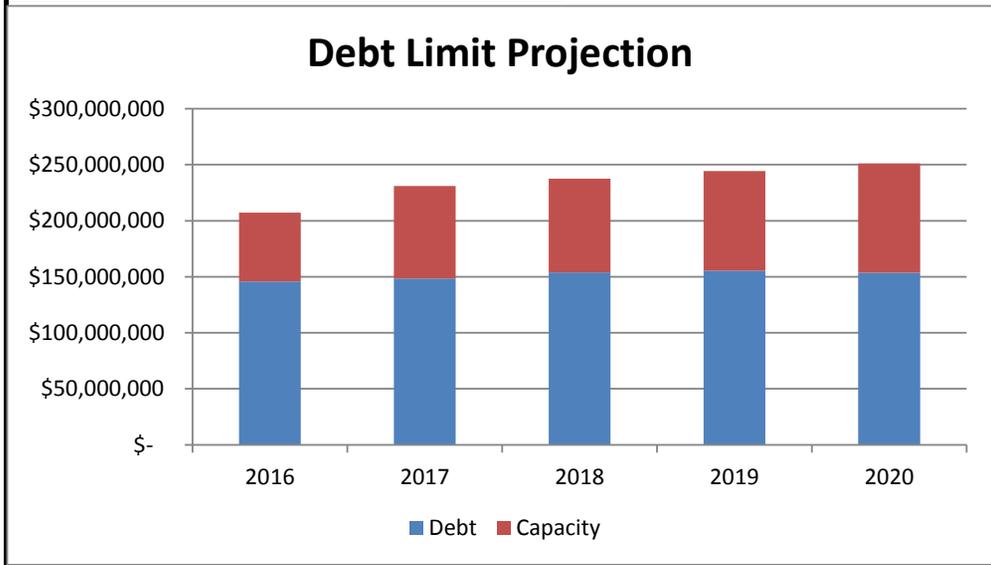
Debt Limit Projection

Based on Constitutional Limit - 5% of Assessed Valuation

Outstanding Debt		
Issue Date	Maturity Date	Outstanding Debt
05/15/08	06/01/19	\$ 5,360,000
05/15/08	06/01/16	\$ 800,000
04/08/09	06/01/28	\$ 2,227,000
05/15/09	06/01/28	\$ 19,210,000
05/15/10	06/01/21	\$ 3,650,000
05/15/11	06/01/26	\$ 9,310,000
08/15/11	06/01/16	\$ 100,000
05/30/12	06/01/27	\$ 9,505,000
05/30/12	06/01/18	\$ 4,135,000
05/30/13	06/01/28	\$ 16,970,000
05/30/13	06/01/28	\$ 12,080,000
05/29/14	06/01/29	\$ 14,385,000
05/29/14	06/01/29	\$ 11,550,000
12/22/14	06/01/28	\$ 22,450,000
05/28/15	06/01/25	\$ 7,750,000
05/28/15	06/01/24	\$ 210,000
Rebate Agreements		\$ 12,164,391
Total Outstanding Debt		\$ 151,856,391

Projected Debt				
Bond Year	Debt Addition	Debt Reduction	Change in Rebates	Net Change
2016	\$ 9,750,000	\$ 15,758,000	\$ -	\$ (6,008,000)
2017	\$ 18,960,000	\$ 15,312,000	\$ (1,040,546)	\$ 2,607,454
2018	\$ 21,160,000	\$ 15,126,000	\$ (708,218)	\$ 5,325,782
2019	\$ 15,555,000	\$ 12,706,000	\$ (1,054,040)	\$ 1,794,960
2020	\$ 9,410,000	\$ 10,121,000	\$ (1,233,367)	\$ (1,944,367)

Assessed Valuation			Debt Limit Projection		
FY	Assessed Value	Debt Limit Value	Projected Debt	Remaining Capacity	% of Debt Limit
2016	\$ 4,146,398,301	\$ 207,319,915	\$ 145,848,391	\$ 61,471,524	70%
2017	\$ 4,621,919,410	\$ 231,095,971	\$ 148,455,845	\$ 82,640,126	64%
2018	\$ 4,751,766,879	\$ 237,588,344	\$ 153,781,627	\$ 83,806,717	65%
2019	\$ 4,886,045,405	\$ 244,302,270	\$ 155,576,587	\$ 88,725,683	64%
2020	\$ 5,024,909,507	\$ 251,245,475	\$ 153,632,220	\$ 97,613,255	61%



Section 3

City of Ankeny, Iowa
2016 Capital Improvements Program
2016 thru 2020

CATEGORY SUMMARY

Category	2016	2017	2018	2019	2020	Total
Bridge/Box Culvert	480,000	60,000	390,000	710,000		1,640,000
Corridor Development	3,125,000	6,837,500	3,817,500	8,595,000		22,375,000
Municipal Buildings	700,000	4,000,000	19,396,000			24,096,000
Operating/Construction Equipment			1,200,000			1,200,000
Park Facilities	1,330,600	1,441,600	484,000	326,000	250,000	3,832,200
Sanitary Sewers	1,339,000	850,000	512,500	2,087,500	1,475,000	6,264,000
Sidewalks/Trails	430,000	385,000	200,000	275,000	635,000	1,925,000
Storm Water	965,000	1,300,000	250,000	250,000	500,000	3,265,000
Streets and Alleys	4,700,000	10,788,750	6,990,000	4,975,000	8,350,000	35,803,750
Traffic Control	500,000	730,000	540,000	350,000	350,000	2,470,000
Unassigned						
Water Mains	1,282,500	3,187,500	2,275,000	2,000,000	825,000	9,570,000
TOTAL	14,852,100	29,580,350	36,055,000	19,568,500	12,385,000	112,440,950

City of Ankeny, Iowa
 2016 Capital Improvements Program
 2016 thru 2020

PROJECTS BY CATEGORY

Category	Project#	Priority	2016	2017	2018	2019	2020	Total
Bridge/Box Culvert								
NW 13th Street RCB Culvert-Rock Creek	BRG-14-001	2	480,000					480,000
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	3		30,000	330,000			360,000
NE 54th Street Bridge Replacement and Trail	BRG-15-001	4		30,000	60,000	710,000		800,000
Bridge/Box Culvert Total			480,000	60,000	390,000	710,000		1,640,000
Corridor Development								
SW Vintage Parkway-Irvinedale to Magazine	COR-07-004	3	2,600,000					2,600,000
SW Des Moines Street Trunk Sewer	COR-13-002	3		37,500	462,500			500,000
SW Des Moines Street Drainage Improvements	COR-13-003	3			125,000	1,675,000		1,800,000
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	3		100,000	1,275,000			1,375,000
The District-Parking Lot Phase 3B & Merchant St.	COR-15-003	1	50,000	1,400,000				1,450,000
SW Prairie Trail Parkway-FFA to School Street	COR-16-001	3	400,000	4,100,000				4,500,000
The District at Prairie Trail-Street Extensions	COR-16-002	3	75,000	1,200,000	1,525,000	1,175,000		3,975,000
SW Des Moines Street Trunk Sewer-Magazine to Elm	COR-16-003	3			30,000	370,000		400,000
SW Des Moines Street-Prairie Trail to Magazine	COR-16-004	3			275,000	3,675,000		3,950,000
SW Plaza Parkway-College to Prairie Trail Parkway	COR-16-005	3			125,000	1,700,000		1,825,000
Corridor Development Total			3,125,000	6,837,500	3,817,500	8,595,000		22,375,000
Municipal Buildings								
Fire Station #3	BLD-15-001	4	700,000	4,000,000				4,700,000
Civic Facility	BLD-16-001	2			19,396,000			19,396,000
Municipal Buildings Total			700,000	4,000,000	19,396,000			24,096,000
Operating/Construction Equipment								
Fire Apparatus Replacement Program	OEC-16-001	3			1,200,000			1,200,000
Operating/Construction Equipment Total					1,200,000			1,200,000
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			160,000			160,000
Ankeny Market and Pavilion	PRK-13-001	4	847,600	479,600				1,327,200
Hawkeye Park Sports Field Lighting	PRK-13-002	3		235,000				235,000
Prairie Ridge Sports Complex-Field Improvements	PRK-14-001	3	56,000	27,000				83,000
Prairie Ridge Sports Complex-Drainage Improvements	PRK-14-002	3	72,000		74,000	76,000		222,000
Chautauqua Park Lake Recreational Trail	PRK-15-002	3	20,000	450,000				470,000
Community Trail Signage	PRK-16-001	3	85,000					85,000
Park Facilities Total			1,330,600	1,441,600	484,000	326,000	250,000	3,832,200
Sanitary Sewers								
Annual Sanitary Sewer Replacement Program	SNS-00-001	2	564,000	450,000	425,000	475,000	525,000	2,439,000

Category	Project#	Priority	2016	2017	2018	2019	2020	Total
Otter Creek Trunk Sewer-Phase 3	SNS-11-001	4			87,500	1,562,500		1,650,000
Otter Creek Trunk Sewer-Phase 4	SNS-12-001	5				50,000	950,000	1,000,000
SE Sharon Drive Sanitary Sewer Replacement	SNS-14-002	3	750,000					750,000
Hidden Creek Trunk Sewer-Phase 1	SNS-14-003	4	25,000	400,000				425,000
Sanitary Sewers Total			1,339,000	850,000	512,500	2,087,500	1,475,000	6,264,000
Sidewalks/Trails								
Annual Sidewalk/Trail Construction Program	SDW-00-001	2	430,000	385,000	200,000	275,000	225,000	1,515,000
High Trestle Trail Extension-Ordinance to Magazine	SDW-16-001	3					410,000	410,000
Sidewalks/Trails Total			430,000	385,000	200,000	275,000	635,000	1,925,000
Storm Water								
Annual Storm Water Replacement Program	STM-00-001	2	365,000	250,000	250,000	250,000	250,000	1,365,000
SE Area Storm Sewer Improvements-Phase 3	STM-10-001	2					250,000	250,000
Trib A to Four Mile Creek Channel Improvements	STM-11-001	2	450,000					450,000
Storm Water Management Study and Master Plan	STM-15-001	3		250,000				250,000
Tradition Detention Basin and Channel Improvements	STM-16-001	3	150,000	800,000				950,000
Storm Water Total			965,000	1,300,000	250,000	250,000	500,000	3,265,000
Streets and Alleys								
Annual PCC Street Patching Program	STR-00-001	2	500,000	475,000	450,000	500,000	525,000	2,450,000
Annual Asphalt Street Resurfacing Program	STR-00-002	2	325,000	118,750	150,000	150,000	150,000	893,750
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	900,000	725,000	825,000	850,000	625,000	3,925,000
SE Creekview Drive Paving and Drainage Improvement	STR-05-003	3				150,000	2,350,000	2,500,000
NE 36th Street Reconstruction	STR-11-003	3	2,475,000	5,875,000				8,350,000
SE Oralabor and Delaware Intersection Improvements	STR-14-001	2	400,000	3,200,000				3,600,000
NW Irvinedale Drive Corridor Improvements	STR-14-005	2			2,025,000			2,025,000
Ankeny Boulevard and 1st Street Intersection	STR-15-001	1		95,000	665,000			760,000
S Ankeny Blvd and SE Shurfine Dr Intersection	STR-16-001	3		200,000	2,500,000			2,700,000
NW 18th Street Extension	STR-16-002	3			275,000	3,225,000		3,500,000
SW Oralabor Rd and SW Irvinedale Dr Intersection	STR-16-003	3					200,000	200,000
West First Street Widening & Improvements-Phase 1	STR-16-004	3					4,400,000	4,400,000
Streets and Alleys Total			4,700,000	10,788,750	6,990,000	4,975,000	8,350,000	35,803,750
Traffic Control								
Annual Traffic Signal Improvement Program	TRF-00-001	3	375,000	730,000	540,000	350,000	350,000	2,345,000
School Zone Flashing Signals	TRF-15-001	1	125,000					125,000
Traffic Control Total			500,000	730,000	540,000	350,000	350,000	2,470,000
Water Mains								
Annual Water Main Replacement Program	WTM-00-001	2	420,000	375,000	750,000	400,000	825,000	2,770,000
East First Street Rural Water Main Extension	WTM-14-001	4	625,000					625,000
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	4	62,500	912,500				975,000
SW Irvinedale Drive Feeder Main	WTM-15-001	2	175,000	1,750,000				1,925,000
Ash Tower Feeder Main	WTM-15-002	3		150,000	1,375,000			1,525,000
NW 5th Street Water Booster Station	WTM-15-003	4			150,000	1,600,000		1,750,000
Water Mains Total			1,282,500	3,187,500	2,275,000	2,000,000	825,000	9,570,000
GRAND TOTAL			14,852,100	29,580,350	36,055,000	19,568,500	12,385,000	112,440,950

City of Ankeny, Iowa
2016 Capital Improvements Program
2016 thru 2020

PROJECTS BY YEAR

Project Name	Department	Project #	Priority	Project Cost
2016				
Fire Station #3	Fire	BLD-15-001	4	700,000
NW 13th Street RCB Culvert-Rock Creek	Public Works	BRG-14-001	2	480,000
SW Vintage Parkway-Irvinedale to Magazine	Prairie Trail Development	COR-07-004	3	2,600,000
The District-Parking Lot Phase 3B & Merchant St.	Prairie Trail Development	COR-15-003	1	50,000
SW Prairie Trail Parkway-FFA to School Street	Public Works	COR-16-001	3	400,000
The District at Prairie Trail-Street Extensions	Prairie Trail Development	COR-16-002	3	75,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Ankeny Market and Pavilion	Parks and Recreation	PRK-13-001	4	847,600
Prairie Ridge Sports Complex-Field Improvements	Parks and Recreation	PRK-14-001	3	56,000
Prairie Ridge Sports Complex-Drainage Improvements	Parks and Recreation	PRK-14-002	3	72,000
Chautauqua Park Lake Recreational Trail	Prairie Trail Development	PRK-15-002	3	20,000
Community Trail Signage	Parks and Recreation	PRK-16-001	3	85,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	430,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	564,000
SE Sharon Drive Sanitary Sewer Replacement	Sewer Utility	SNS-14-002	3	750,000
Hidden Creek Trunk Sewer-Phase 1	Sewer Utility	SNS-14-003	4	25,000
Annual Storm Water Replacement Program	Storm Water Utility	STM-00-001	2	365,000
Trib A to Four Mile Creek Channel Improvements	Storm Water Utility	STM-11-001	2	450,000
Tradition Detention Basin and Channel Improvements	Storm Water Utility	STM-16-001	3	150,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	500,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	2	325,000
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	900,000
NE 36th Street Reconstruction	Public Works	STR-11-003	3	2,475,000
SE Oralabor and Delaware Intersection Improvements	Public Works	STR-14-001	2	400,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	375,000
School Zone Flashing Signals	Public Works	TRF-15-001	1	125,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	420,000
East First Street Rural Water Main Extension	Water Utility	WTM-14-001	4	625,000
SE Four Mile Drive Rural Water Main Extension	Water Utility	WTM-14-003	4	62,500
SW Irvinedale Drive Feeder Main	Water Utility	WTM-15-001	2	175,000
Total for 2016				14,852,100
2017				
Fire Station #3	Fire	BLD-15-001	4	4,000,000
NE Delaware Avenue Pedestrian Bridge	Public Works	BRG-14-002	3	30,000
NE 54th Street Bridge Replacement and Trail	Public Works	BRG-15-001	4	30,000
SW Des Moines Street Trunk Sewer	Prairie Trail Development	COR-13-002	3	37,500
SW Plaza Parkway and SW College Avenue Extension	Prairie Trail Development	COR-15-001	3	100,000
The District-Parking Lot Phase 3B & Merchant St.	Prairie Trail Development	COR-15-003	1	1,400,000
SW Prairie Trail Parkway-FFA to School Street	Public Works	COR-16-001	3	4,100,000
The District at Prairie Trail-Street Extensions	Prairie Trail Development	COR-16-002	3	1,200,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Ankeny Market and Pavilion	Parks and Recreation	PRK-13-001	4	479,600

Project Name	Department	Project #	Priority	Project Cost
Hawkeye Park Sports Field Lighting	Parks and Recreation	PRK-13-002	3	235,000
Prairie Ridge Sports Complex-Field Improvements	Parks and Recreation	PRK-14-001	3	27,000
Chautauqua Park Lake Recreational Trail	Prairie Trail Development	PRK-15-002	3	450,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	385,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	450,000
Hidden Creek Trunk Sewer-Phase 1	Sewer Utility	SNS-14-003	4	400,000
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
Tradition Detention Basin and Channel Improvements	Storm Water Utility	STM-16-001	3	800,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	475,000
Annual Asphalt Street Resurfacing Program	Public Works	STR-00-002	2	118,750
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	725,000
NE 36th Street Reconstruction	Public Works	STR-11-003	3	5,875,000
SE Oralabor and Delaware Intersection Improvements	Public Works	STR-14-001	2	3,200,000
Ankeny Boulevard and 1st Street Intersection	Public Works	STR-15-001	1	95,000
S Ankeny Blvd and SE Shurfine Dr Intersection	Public Works	STR-16-001	3	200,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	730,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	375,000
SE Four Mile Drive Rural Water Main Extension	Water Utility	WTM-14-003	4	912,500
SW Irvindale Drive Feeder Main	Water Utility	WTM-15-001	2	1,750,000
Ash Tower Feeder Main	Water Utility	WTM-15-002	3	150,000
Total for 2017				29,580,350

2018

Civic Facility	Administration	BLD-16-001	2	19,396,000
NE Delaware Avenue Pedestrian Bridge	Public Works	BRG-14-002	3	330,000
NE 54th Street Bridge Replacement and Trail	Public Works	BRG-15-001	4	60,000
SW Des Moines Street Trunk Sewer	Prairie Trail Development	COR-13-002	3	462,500
SW Des Moines Street Drainage Improvements	Prairie Trail Development	COR-13-003	3	125,000
SW Plaza Parkway and SW College Avenue Extension	Prairie Trail Development	COR-15-001	3	1,275,000
The District at Prairie Trail-Street Extensions	Prairie Trail Development	COR-16-002	3	1,525,000
SW Des Moines Street Trunk Sewer-Magazine to Elm	Prairie Trail Development	COR-16-003	3	30,000
SW Des Moines Street-Prairie Trail to Magazine	Prairie Trail Development	COR-16-004	3	275,000
SW Plaza Parkway-College to Prairie Trail Parkway	Prairie Trail Development	COR-16-005	3	125,000
Fire Apparatus Replacement Program	Fire	OEC-16-001	3	1,200,000
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
Prairie Ridge Sports Complex-Drainage Improvements	Parks and Recreation	PRK-14-002	3	74,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	200,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	425,000
Otter Creek Trunk Sewer-Phase 3	Sewer Utility	SNS-11-001	4	87,500
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	450,000
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	825,000
NW Irvindale Drive Corridor Improvements	Public Works	STR-14-005	2	2,025,000
Ankeny Boulevard and 1st Street Intersection	Public Works	STR-15-001	1	665,000
S Ankeny Blvd and SE Shurfine Dr Intersection	Public Works	STR-16-001	3	2,500,000
NW 18th Street Extension	Public Works	STR-16-002	3	275,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	540,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	750,000
Ash Tower Feeder Main	Water Utility	WTM-15-002	3	1,375,000
NW 5th Street Water Booster Station	Water Utility	WTM-15-003	4	150,000

Project Name	Department	Project #	Priority	Project Cost
Total for 2018				36,055,000
2019				
NE 54th Street Bridge Replacement and Trail	Public Works	BRG-15-001	4	710,000
SW Des Moines Street Drainage Improvements	Prairie Trail Development	COR-13-003	3	1,675,000
The District at Prairie Trail-Street Extensions	Prairie Trail Development	COR-16-002	3	1,175,000
SW Des Moines Street Trunk Sewer-Magazine to Elm	Prairie Trail Development	COR-16-003	3	370,000
SW Des Moines Street-Prairie Trail to Magazine	Prairie Trail Development	COR-16-004	3	3,675,000
SW Plaza Parkway-College to Prairie Trail Parkway	Prairie Trail Development	COR-16-005	3	1,700,000
Annual Park Development Program	Parks and Recreation	PRK-00-002	2	250,000
Prairie Ridge Sports Complex-Drainage Improvements	Parks and Recreation	PRK-14-002	3	76,000
Annual Sidewalk/Trail Construction Program	Parks and Recreation	SDW-00-001	2	275,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	475,000
Otter Creek Trunk Sewer-Phase 3	Sewer Utility	SNS-11-001	4	1,562,500
Otter Creek Trunk Sewer-Phase 4	Sewer Utility	SNS-12-001	5	50,000
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	150,000
Annual Pavement Preservation Program	Public Works	STR-00-003	1	100,000
Annual Street Replacement Program	Public Works	STR-00-004	2	850,000
SE Creekview Drive Paving and Drainage Improvement	Public Works	STR-05-003	3	150,000
NW 18th Street Extension	Public Works	STR-16-002	3	3,225,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	350,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	400,000
NW 5th Street Water Booster Station	Water Utility	WTM-15-003	4	1,600,000
Total for 2019				19,568,500
2020				
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	225,000
High Trestle Trail Extension-Ordinance to Magazine	Parks and Recreation	SDW-16-001	3	410,000
Annual Sanitary Sewer Replacement Program	Sewer Utility	SNS-00-001	2	525,000
Otter Creek Trunk Sewer-Phase 4	Sewer Utility	SNS-12-001	5	950,000
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	250,000
Annual PCC Street Patching Program	Public Works	STR-00-001	2	525,000
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	625,000
SE Creekview Drive Paving and Drainage Improvement	Public Works	STR-05-003	3	2,350,000
SW Oralabor Rd and SW Irvinedale Dr Intersection	Public Works	STR-16-003	3	200,000
West First Street Widening & Improvements-Phase 1	Public Works	STR-16-004	3	4,400,000
Annual Traffic Signal Improvement Program	Public Works	TRF-00-001	3	350,000
Annual Water Main Replacement Program	Water Utility	WTM-00-001	2	825,000
Total for 2020				12,385,000
GRAND TOTAL				112,440,950

City of Ankeny, Iowa
2016 Capital Improvements Program
2016 thru 2020

FUNDING SOURCE SUMMARY

Source	2016	2017	2018	2019	2020	Total
Capital Project Fund	675,000	135,000	612,500			1,422,500
Capital Reserve Fund			5,500,000			5,500,000
Civic Trust Fund	20,000	450,000	5,000,000			5,470,000
County Contributions		100,000				100,000
FHWA/IDOT Grants	150,000	2,175,000	300,000			2,625,000
G.O. Bonds	5,158,000	7,005,750	8,606,500	6,136,000	5,460,000	32,366,250
G.O. Bonds - Referendum	700,000	4,000,000	8,396,000			13,096,000
G.O. Bonds - Storm Water Abated	600,000	800,000			250,000	1,650,000
G.O. Bonds - TIF Abated	3,125,000	6,837,500	3,817,500	8,745,000	2,350,000	24,875,000
Hawkeye Park Player Fees Fund		50,000				50,000
Hotel/Motel Tax Fund	85,000	175,000	80,000			340,000
MPO/STP Grants	80,000	2,600,000	150,000		1,650,000	4,480,000
Other Grants	280,387					280,387
Private Contributions	592,213	479,600	230,000			1,301,813
Road Use Tax Fund	400,000	225,000	325,000	350,000	125,000	1,425,000
Sewer Fund	1,339,000	850,000	512,500	475,000	1,475,000	4,651,500
Sewer Revenue Bonds				1,612,500		1,612,500
Sports Complex Foundation Fund		10,000				10,000
Storm Water Fund	365,000	500,000	250,000	250,000	250,000	1,615,000
Water Fund	1,282,500	375,000	750,000	400,000	825,000	3,632,500
Water Revenue Bonds		2,812,500	1,525,000	1,600,000		5,937,500
GRAND TOTAL	14,852,100	29,580,350	36,055,000	19,568,500	12,385,000	112,440,950

City of Ankeny, Iowa
 2016 Capital Improvements Program
 2016 thru 2020

PROJECTS BY FUNDING SOURCE

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Capital Project Fund								
Civic Facility	BLD-16-001	2			500,000			500,000
Annual Sidewalk/Trail Construction Program	SDW-00-001	2	430,000	135,000				565,000
Annual PCC Street Patching Program	STR-00-001	2	100,000					100,000
Annual Pavement Preservation Program	STR-00-003	1	100,000					100,000
Annual Traffic Signal Improvement Program	TRF-00-001	3			112,500			112,500
School Zone Flashing Signals	TRF-15-001	1	45,000					45,000
Capital Project Fund Total			675,000	135,000	612,500			1,422,500
Capital Reserve Fund								
Civic Facility	BLD-16-001	2			5,500,000			5,500,000
Capital Reserve Fund Total					5,500,000			5,500,000
Civic Trust Fund								
Civic Facility	BLD-16-001	2			5,000,000			5,000,000
Chautauqua Park Lake Recreational Trail	PRK-15-002	3	20,000	450,000				470,000
Civic Trust Fund Total			20,000	450,000	5,000,000			5,470,000
County Contributions								
Annual Traffic Signal Improvement Program	TRF-00-001	3		100,000				100,000
County Contributions Total				100,000				100,000
FHWA/IDOT Grants								
SE Oralabor and Delaware Intersection Improvements	STR-14-001	2		2,075,000				2,075,000
Ankeny Boulevard and 1st Street Intersection	STR-15-001	1			300,000			300,000
Annual Traffic Signal Improvement Program	TRF-00-001	3	150,000	100,000				250,000
FHWA/IDOT Grants Total			150,000	2,175,000	300,000			2,625,000
G.O. Bonds								
NW 13th Street RCB Culvert-Rock Creek	BRG-14-001	2	480,000					480,000
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	3		30,000	180,000			210,000
NE 54th Street Bridge Replacement and Trail	BRG-15-001	4		30,000	60,000	710,000		800,000
Fire Apparatus Replacement Program	OEC-16-001	3			1,200,000			1,200,000
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	56,000	27,000				83,000
Prairie Ridge Sports Complex-Drainage Improvements	PRK-14-002	3	72,000		74,000	76,000		222,000
Annual Sidewalk/Trail Construction Program	SDW-00-001	2		250,000	200,000	275,000	225,000	950,000
High Trestle Trail Extension-Ordinance to Magazine	SDW-16-001	3					260,000	260,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Annual PCC Street Patching Program	STR-00-001	2	400,000	475,000	450,000	500,000	525,000	2,350,000
Annual Asphalt Street Resurfacing Program	STR-00-002	2	300,000	118,750	150,000	150,000	150,000	868,750
Annual Pavement Preservation Program	STR-00-003	1		100,000	100,000	100,000	100,000	400,000
Annual Street Replacement Program	STR-00-004	2	500,000	500,000	500,000	500,000	500,000	2,500,000
NE 36th Street Reconstruction	STR-11-003	3	2,475,000	3,275,000				5,750,000
SE Oralabor and Delaware Intersection Improvements	STR-14-001	2	400,000	1,125,000				1,525,000
NW Irvinedale Drive Corridor Improvements	STR-14-005	2			2,025,000			2,025,000
Ankeny Boulevard and 1st Street Intersection	STR-15-001	1		95,000	365,000			460,000
S Ankeny Blvd and SE Shurfine Dr Intersection	STR-16-001	3		200,000	2,500,000			2,700,000
NW 18th Street Extension	STR-16-002	3			275,000	3,225,000		3,500,000
SW Oralabor Rd and SW Irvinedale Dr Intersection	STR-16-003	3					200,000	200,000
West First Street Widening & Improvements-Phase 1	STR-16-004	3					2,900,000	2,900,000
Annual Traffic Signal Improvement Program	TRF-00-001	3	225,000	530,000	277,500	350,000	350,000	1,732,500
G.O. Bonds Total			5,158,000	7,005,750	8,606,500	6,136,000	5,460,000	32,366,250

G.O. Bonds - Referendum

Fire Station #3	BLD-15-001	4	700,000	4,000,000				4,700,000
Civic Facility	BLD-16-001	2			8,396,000			8,396,000
G.O. Bonds - Referendum Total			700,000	4,000,000	8,396,000			13,096,000

G.O. Bonds - Storm Water Abated

SE Area Storm Sewer Improvements-Phase 3	STM-10-001	2					250,000	250,000
Trib A to Four Mile Creek Channel Improvements	STM-11-001	2	450,000					450,000
Tradition Detention Basin and Channel Improvements	STM-16-001	3	150,000	800,000				950,000
G.O. Bonds - Storm Water Abated Total			600,000	800,000			250,000	1,650,000

G.O. Bonds - TIF Abated

SW Vintage Parkway-Irvinedale to Magazine	COR-07-004	3	2,600,000					2,600,000
SW Des Moines Street Trunk Sewer	COR-13-002	3		37,500	462,500			500,000
SW Des Moines Street Drainage Improvements	COR-13-003	3			125,000	1,675,000		1,800,000
SW Plaza Parkway and SW College Avenue Extension	COR-15-001	3		100,000	1,275,000			1,375,000
The District-Parking Lot Phase 3B & Merchant St.	COR-15-003	1	50,000	1,400,000				1,450,000
SW Prairie Trail Parkway-FFA to School Street	COR-16-001	3	400,000	4,100,000				4,500,000
The District at Prairie Trail-Street Extensions	COR-16-002	3	75,000	1,200,000	1,525,000	1,175,000		3,975,000
SW Des Moines Street Trunk Sewer-Magazine to Elm	COR-16-003	3			30,000	370,000		400,000
SW Des Moines Street-Prairie Trail to Magazine	COR-16-004	3			275,000	3,675,000		3,950,000
SW Plaza Parkway-College to Prairie Trail Parkway	COR-16-005	3			125,000	1,700,000		1,825,000
SE Creekview Drive Paving and Drainage Improvement	STR-05-003	3				150,000	2,350,000	2,500,000
G.O. Bonds - TIF Abated Total			3,125,000	6,837,500	3,817,500	8,745,000	2,350,000	24,875,000

Hawkeye Park Player Fees Fund

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

Hotel/Motel Tax Fund

Prairie Ridge Sports Complex-Field Lighting	PRK-09-001	4			80,000			80,000
Hawkeye Park Sports Field Lighting	PRK-13-002	3		175,000				175,000
Community Trail Signage	PRK-16-001	3	85,000					85,000

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Hotel/Motel Tax Fund Total			85,000	175,000	80,000			340,000
MPO/STP Grants								
NE Delaware Avenue Pedestrian Bridge	BRG-14-002	3			150,000			150,000
High Trestle Trail Extension-Ordinance to Magazine	SDW-16-001	3				150,000		150,000
NE 36th Street Reconstruction	STR-11-003	3		2,600,000				2,600,000
West First Street Widening & Improvements-Phase 1	STR-16-004	3				1,500,000		1,500,000
School Zone Flashing Signals	TRF-15-001	1	80,000					80,000
MPO/STP Grants Total			80,000	2,600,000	150,000		1,650,000	4,480,000
Other Grants								
Ankeny Market and Pavilion	PRK-13-001	4	280,387					280,387
Other Grants Total			280,387					280,387
Private Contributions								
Prairie Ridge Sports Complex-Field Lighting	PRK-09-001	4			80,000			80,000
Ankeny Market and Pavilion	PRK-13-001	4	567,213	479,600				1,046,813
Annual Asphalt Street Resurfacing Program	STR-00-002	2	25,000					25,000
Annual Traffic Signal Improvement Program	TRF-00-001	3			150,000			150,000
Private Contributions Total			592,213	479,600	230,000			1,301,813
Road Use Tax Fund								
Annual Street Replacement Program	STR-00-004	2	400,000	225,000	325,000	350,000	125,000	1,425,000
Road Use Tax Fund Total			400,000	225,000	325,000	350,000	125,000	1,425,000
Sewer Fund								
Annual Sanitary Sewer Replacement Program	SNS-00-001	2	564,000	450,000	425,000	475,000	525,000	2,439,000
Otter Creek Trunk Sewer-Phase 3	SNS-11-001	4			87,500			87,500
Otter Creek Trunk Sewer-Phase 4	SNS-12-001	5					950,000	950,000
SE Sharon Drive Sanitary Sewer Replacement	SNS-14-002	3	750,000					750,000
Hidden Creek Trunk Sewer-Phase 1	SNS-14-003	4	25,000	400,000				425,000
Sewer Fund Total			1,339,000	850,000	512,500	475,000	1,475,000	4,651,500
Sewer Revenue Bonds								
Otter Creek Trunk Sewer-Phase 3	SNS-11-001	4				1,562,500		1,562,500
Otter Creek Trunk Sewer-Phase 4	SNS-12-001	5				50,000		50,000
Sewer Revenue Bonds Total						1,612,500		1,612,500
Sports Complex Foundation Fund								
Hawkeye Park Sports Field Lighting	PRK-13-002	3		10,000				10,000
Sports Complex Foundation Fund Total				10,000				10,000
Storm Water Fund								

Source	Project#	Priority	2016	2017	2018	2019	2020	Total
Annual Storm Water Replacement Program	STM-00-001	2	365,000	250,000	250,000	250,000	250,000	1,365,000
Storm Water Management Study and Master Plan	STM-15-001	3		250,000				250,000
Storm Water Fund Total			365,000	500,000	250,000	250,000	250,000	1,615,000
Water Fund								
Annual Water Main Replacement Program	WTM-00-001	2	420,000	375,000	750,000	400,000	825,000	2,770,000
East First Street Rural Water Main Extension	WTM-14-001	4	625,000					625,000
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	4	62,500					62,500
SW Irvinedale Drive Feeder Main	WTM-15-001	2	175,000					175,000
Water Fund Total			1,282,500	375,000	750,000	400,000	825,000	3,632,500
Water Revenue Bonds								
SE Four Mile Drive Rural Water Main Extension	WTM-14-003	4		912,500				912,500
SW Irvinedale Drive Feeder Main	WTM-15-001	2		1,750,000				1,750,000
Ash Tower Feeder Main	WTM-15-002	3		150,000	1,375,000			1,525,000
NW 5th Street Water Booster Station	WTM-15-003	4			150,000	1,600,000		1,750,000
Water Revenue Bonds Total				2,812,500	1,525,000	1,600,000		5,937,500
GRAND TOTAL			14,852,100	29,580,350	36,055,000	19,568,500	12,385,000	112,440,950

Section 4

2016 Capital Improvements Program

2016 thru 2020

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

Total Project Cost: \$4,700,000

Description

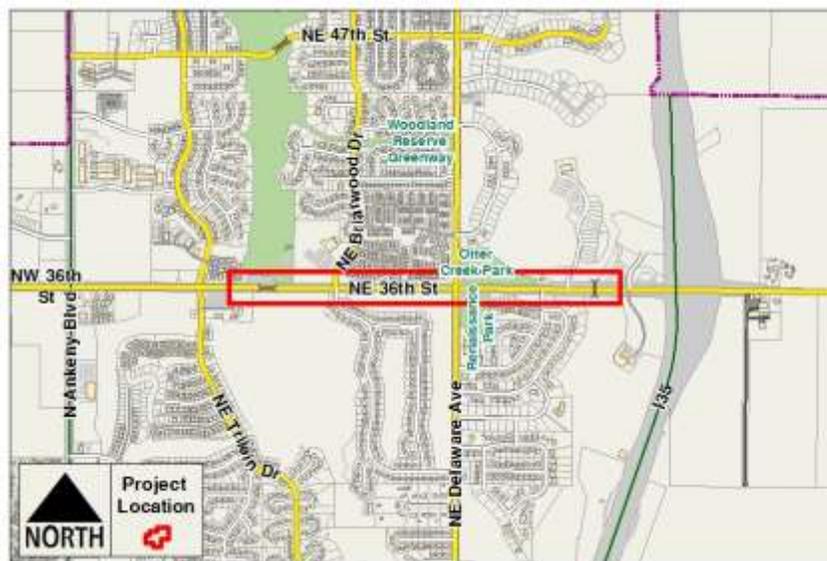
Construction of a new fire station in northeast Ankeny using the same basic floor plan used for Fire Station #2 on SE Oralabor Road. The city should consider using the existing engineering and architecture work used for Fire Station #2 to save pre-construction costs. Fire Station #2 has proven to be 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.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	200,000					200,000
Construction Costs		4,000,000				4,000,000
Land/ROW Acquisition	500,000					500,000
Total	700,000	4,000,000				4,700,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - Referendum	700,000	4,000,000				4,700,000
Total	700,000	4,000,000				4,700,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Administration
Contact Assistant City Manager
Type New Construction
Useful Life 40 years
Category Municipal Buildings
Priority 2 Very Important

Project #	BLD-16-001
Project Name	Civic Facility

Description

Total Project Cost: \$19,396,000

Building improvements as described in the 2015 City Facilities Needs Study. The study includes variations of a basic plan to provide new facilities so that the staff in the Parks and Recreation Building and the Public Services Building can vacate those two leased facilities. Pending final decisions, the project will include a new 50,000 SF library and city council chambers in Prairie Trail, and the relocation of the staff from the leased buildings into the Kirkendall Public Library or another facility. Kirkendall Public Library will be renovated and remodeled into an office complex. Also includes the remodeling of City Hall to add office space.

Justification

The existing Kirkendall Public Library is undersized. The new facility will provide twice as much library space. The current council chambers are also undersized. The two leased buildings each carry a significant lease payment. They are not financially practical for long-term occupancy. Constructing the new library within Prairie Trail will meet the terms of a previous agreement with DRA Properties. When completed, these new and remodeled facilities will provide needed office space for the current employees and for the expansion of city staff in the future.

Expenditures	2016	2017	2018	2019	2020	Total
Construction Costs			19,396,000			19,396,000
Total			19,396,000			19,396,000

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Project Fund			500,000			500,000
Capital Reserve Fund			5,500,000			5,500,000
Civic Trust Fund			5,000,000			5,000,000
G.O. Bonds - Referendum			8,396,000			8,396,000
Total			19,396,000			19,396,000

2016 Capital Improvements Program

2016 thru 2020

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-Rock Creek

Description

Total Project Cost: \$480,000

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	2016	2017	2018	2019	2020	Total
Engineering-Design	100,000					100,000
Construction Costs	350,000					350,000
Land/ROW Acquisition	30,000					30,000
Total	480,000					480,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds	480,000					480,000
Total	480,000					480,000



2016 Capital Improvements Program

2016 thru 2020

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

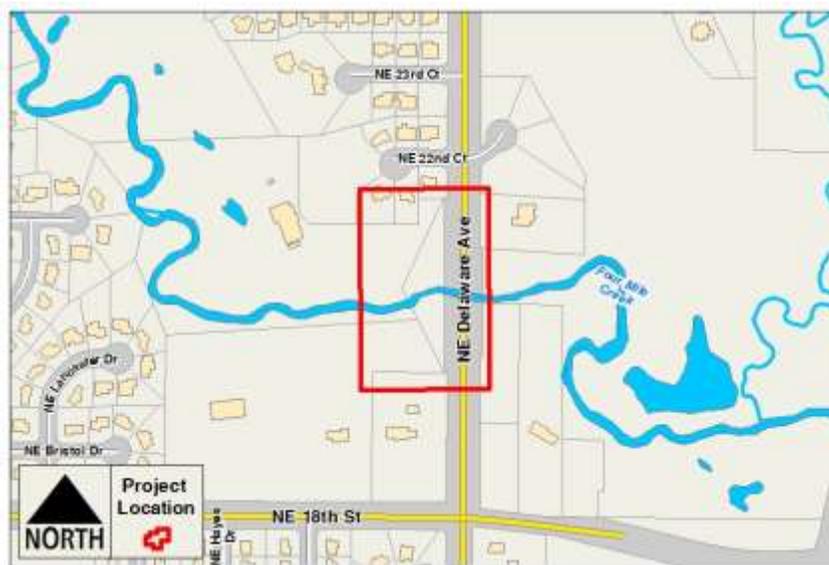
Construct a pedestrian bridge on the west side of NE Delaware Avenue over Four Mile Creek, just to the north of NE 18th Street. It is assumed the pedestrian bridge will be cantilevered off the existing roadway bridge.

Justification

The pedestrian bridge will connect the existing 8' sidewalk across Four Mile Creek and will allow students access to Northeast Elementary School from the neighborhoods north of NE 18th Street and address citizen complaints about sidewalk connectivity. The pedestrian bridge and sidewalk connections were identified as recommended improvements in the 2009 Safe Routes to School Study. A federal TAP grant in the amount of \$150,000 will be used to help finance the project's construction.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design		30,000	30,000			60,000
Construction Costs			300,000			300,000
Total		30,000	330,000			360,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds		30,000	180,000			210,000
MPO/STP Grants			150,000			150,000
Total		30,000	330,000			360,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

Priority 4 Less Important

Project # BRG-15-001
Project Name NE 54th Street Bridge Replacement and Trail

Description

Total Project Cost: \$800,000

Replace bridge on NE 54th Street over the east branch of Four Mile Creek, approximately 1300 feet west of NE Delaware Avenue. The new bridge will include sufficient width to allow for an 8 feet sidewalk on the south side. The project will also include minor reconstruction of NE 54th Street to accommodate the bridge replacement and new 8-foot sidewalk connections to the existing sidewalks on the south side of NE 54th Street.

Justification

The 2015 inspection report for this bridge gave it a low service rating (41 out of 100) and recommended replacing the bridge in approximately 5 years. Also, a pedestrian crossing of the waterway is needed at this location to provide connectivity in the City's sidewalk/trail system and to provide better access to the various residential developments in this area of the City. The 2010 Comprehensive Plan shows continuous sidewalk along NE 54th Street from the High Trestle Trail on the west to County NE 38th Street on the east. Public Works will review whether this project is eligible for external funding (e.g. BRF).

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design		30,000	60,000	60,000		150,000
Construction Costs				650,000		650,000
Total		30,000	60,000	710,000		800,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds		30,000	60,000	710,000		800,000
Total		30,000	60,000	710,000		800,000



2016 Capital Improvements Program

2016 thru 2020

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-Irvinedale to Magazine

Description

Total Project Cost: \$2,600,000

The connection of SW Vintage Parkway from 1,000 feet east of SW Irvinedale Drive to 200 feet west of SW Magazine Road. This project includes engineering design, construction services and associated paving, utility, landscaping, and street lighting improvements.

Justification

This project supports 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 Irvinedale Drive to SW State Street.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	235,000					235,000
Construction Costs	2,200,000					2,200,000
Street Lighting	165,000					165,000
Total	2,600,000					2,600,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated	2,600,000					2,600,000
Total	2,600,000					2,600,000



2016 Capital Improvements Program

2016 thru 2020

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: \$500,000

Construction of a sanitary trunk sewer running along a future alignment of SW Des Moines Street from the existing planned intersections with SW Magazine Road and SW Prairie Trail Parkway. This project would be the first phase of an extension of sanitary trunk sewer from SW Prairie Trail Parkway.

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 this project will follow the development of Elementary School #11 and the construction of SW Prairie Trail Parkway that will support that new school.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design		37,500	37,500			75,000
Construction Costs			425,000			425,000
Total		37,500	462,500			500,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated		37,500	462,500			500,000
Total		37,500	462,500			500,000



2016 Capital Improvements Program

2016 thru 2020

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: \$1,800,000

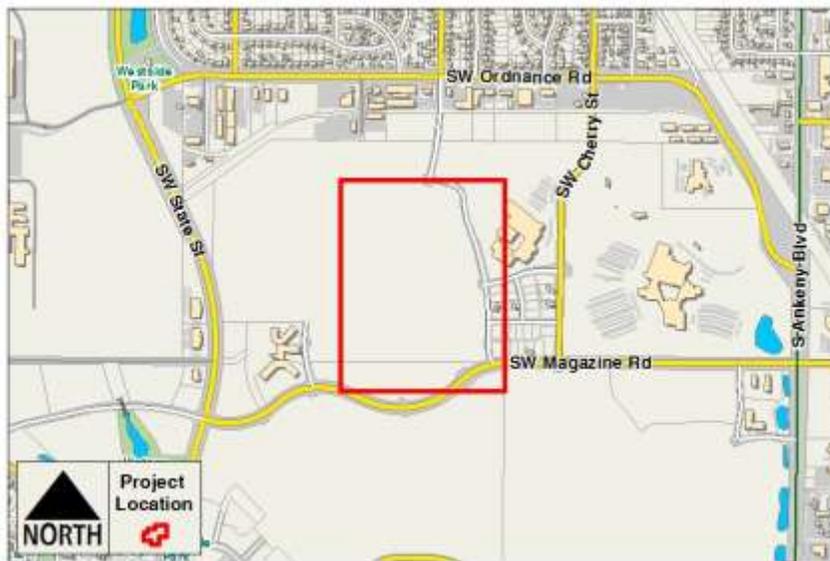
Development of two large water quality basins that will be located adjacent to SW Des Moines Street between SW Prairie Trail Parkway and SW Elm Street. Includes outlet structure, impoundment construction, water quality features, public park improvements and special plantings.

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	2016	2017	2018	2019	2020	Total
Engineering-Design			125,000	125,000		250,000
Construction Costs				1,550,000		1,550,000
Total			125,000	1,675,000		1,800,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated			125,000	1,675,000		1,800,000
Total			125,000	1,675,000		1,800,000



2016 Capital Improvements Program

2016 thru 2020

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: \$1,375,000
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 a traffic study of the SW College Avenue and SW Oralabor Road intersection, 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 and study in 2017 and construction in 2018.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design		100,000				100,000
Construction Costs			1,275,000			1,275,000
Total		100,000	1,275,000			1,375,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated		100,000	1,275,000			1,375,000
Total		100,000	1,275,000			1,375,000



2016 Capital Improvements Program

2016 thru 2020

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-Parking Lot Phase 3B & Merchant St.

Description

Total Project Cost: \$1,450,000

Construction of Phase 3B of the public parking lots in The District at Prairie Trail and further extension of SW Merchant Street coming off SW Vintage Parkway. This project is the final 1/3 of the parking lot remaining following the Phase 3A construction 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 the development activity that has occurred and is planned for in The District at Prairie Trail. This project is scheduled for design in 2016 and construction in 2017 to follow the final completion of Phase 3A in 2015.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	50,000	50,000				100,000
Construction Costs		1,335,000				1,335,000
Street Lighting		15,000				15,000
Total	50,000	1,400,000				1,450,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated	50,000	1,400,000				1,450,000
Total	50,000	1,400,000				1,450,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Corridor Development

Priority 3 Important

Project # COR-16-001
Project Name SW Prairie Trail Parkway-FFA to School Street

Description

Total Project Cost: \$4,500,000

This project includes the extension of SW Prairie Trail Parkway from the current east terminus near the FFA Enrichment Center to SW School Street. The project includes paving, sanitary sewer, water main, storm sewer, regional storm water detention, and lighting improvements. The project also includes design and construction engineering services.

Justification

The project is needed to support the current and planned development in the southeast area of Prairie Trail. The project will improve traffic mobility in this area by connecting residential, commercial, and civic areas. The project will also extend public utilities and provide a regional storm water detention basin. The project's design is scheduled for 2016 and construction is scheduled for 2016.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	400,000					400,000
Construction Costs		4,100,000				4,100,000
Total	400,000	4,100,000				4,500,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated	400,000	4,100,000				4,500,000
Total	400,000	4,100,000				4,500,000



2016 Capital Improvements Program

2016 thru 2020

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-16-002
Project Name	The District at Prairie Trail-Street Extensions

Description **Total Project Cost: \$3,975,000**

The construction of three street extensions within The District:

SW Market Street Extension to the future intersection with SW Campustown Court and SW Campustown Court from this intersection to the existing intersection with SW Magazine Road.
2016 - \$75,000 (design), 2017 - \$75,000 (inspection), \$50,000 (lighting) & \$1,025,000 (construction)

SW Campustown Court Extension from SW Prairie Trail Parkway to the future intersection with SW Market Street.
2017 - \$50,000 (design), 2018 - \$100,000 (inspection), \$50,000 (lighting) & \$1,300,000 (construction)

SW Main Street Extension to the future intersection with SW Campustown Court.
2018 - \$75,000 (design), 2019 - \$75,000 (inspection), \$50,000 (lighting) & \$1,050,000 (construction)

Justification

The justification for this project is to support the current and planned development in The District. This project will improve the traffic flow in The District by providing additional street connections to the adjacent major collector streets. The timing of these projects will depend upon development activity in The District, including the development of the proposed civic facility.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	75,000	125,000	175,000	75,000		450,000
Construction Costs		1,025,000	1,300,000	1,050,000		3,375,000
Street Lighting		50,000	50,000	50,000		150,000
Total	75,000	1,200,000	1,525,000	1,175,000		3,975,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated	75,000	1,200,000	1,525,000	1,175,000		3,975,000
Total	75,000	1,200,000	1,525,000	1,175,000		3,975,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Prairie Trail Development

Contact City Engineer

Project # COR-16-003
Project Name SW Des Moines Street Trunk Sewer-Magazine to Elm

Type New Construction
Useful Life 40 years
Category Corridor Development
Priority 3 Important

Description

Total Project Cost: \$400,000

Construction of a sanitary trunk sewer running along a future alignment of SW Des Moines Street from the existing planned intersections with SW Magazine Road and SW Elm Street. This project would be the second phase of an extension of sanitary trunk sewer from SW Prairie Trail Parkway.

Justification

The justification for this project is to support the planned development in the northeastern portion of Prairie Trail. This project should be constructed in coordination with the other SW Des Moines Street projects. The timing of this project will follow development activity in this area of Prairie Trail and the construction of SW Prairie Trail Parkway and the sanitary trunk sewer to the south, so it is currently projected in 2018.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design			30,000	30,000		60,000
Construction Costs				340,000		340,000
Total			30,000	370,000		400,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated			30,000	370,000		400,000
Total			30,000	370,000		400,000



2016 Capital Improvements Program

2016 thru 2020

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-16-004
Project Name	SW Des Moines Street-Prairie Trail to Magazine

Description

Total Project Cost: \$3,950,000

Construction of SW Des Moines Street from the existing intersection with SW Magazine Road to the planned future intersection with SW Prairie Trail Parkway being constructed in 2016. 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 Prairie Trail. This project will improve the traffic flow in this area by connecting residential, commercial and institutional areas to the major collector streets. The timing of this project will depend upon the schedule of Elementary School #11 and the timing of the other SW Des Moines Street projects,

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design			275,000	275,000		550,000
Construction Costs				3,140,000		3,140,000
Street Lighting				260,000		260,000
Total			275,000	3,675,000		3,950,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated			275,000	3,675,000		3,950,000
Total			275,000	3,675,000		3,950,000



2016 Capital Improvements Program

2016 thru 2020

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-16-005
Project Name SW Plaza Parkway-College to Prairie Trail Parkway

Description

Total Project Cost: \$1,825,000

Extension of SW Plaza Parkway from the planned future intersection with SW College Avenue and the existing intersection with SW Prairie Trail Parkway. 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 major collector streets. The timing of this project will depend upon development activity, so the project is scheduled for design in 2018 and construction in 2019.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design			125,000	125,000		250,000
Construction Costs				1,500,000		1,500,000
Street Lighting				75,000		75,000
Total			125,000	1,700,000		1,825,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated			125,000	1,700,000		1,825,000
Total			125,000	1,700,000		1,825,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Fire

Contact Fire Chief

Type Replacement

Useful Life 10 years

Category Operating/Construction Equip

Priority 3 Important

Project # OEC-16-001
Project Name Fire Apparatus Replacement Program

Description

Total Project Cost: \$1,200,000

This request is to fund the purchase of two fully equipped fire engines, including all the tools and equipment to make them response ready. One of these new engines will be a replacement of an engine according to our current fleet replacement schedule, and one will be purchased in anticipation of Fire Station #3 opening in FY 2019.

Justification

We are due to replace one of our fire engines following our current fleet replacement schedule. This replacement project is becoming more critical as parts for our current front line American LaFrance engine fleet are getting very difficult to find. American LaFrance has gone out of business, and we are now forced to fabricate many of the parts needed to make repairs. The request for the second engine is to provide a new engine for Fire Station #3 and also give us a reserve engine when Fire Station #3 opens in FY 2019. Once this station opens, we will have no reserve engine available if one goes down for preventative maintenance or repairs. Ordering two engines at the same time will lend some consistency to our apparatus fleet and allow us to realize a significant cost savings projected to be 5% or \$25,000 per engine over ordering them one at a time.

Expenditures	2016	2017	2018	2019	2020	Total
Vehicle/Equipment			1,200,000			1,200,000
Total			1,200,000			1,200,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds			1,200,000			1,200,000
Total			1,200,000			1,200,000

2016 Capital Improvements Program

2016 thru 2020

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: \$1,250,000

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

2016

Sunrise Park Splash Pad & Restrooms

Sawgrass Park Swing Set

2017

Crestbruck Park Trail Overlay

Crestbruck Park New Playground Feature

Greentree Tennis Court Reconstruction for Pickleball

Wildflower Park Turf Development and Shelter

2018

Deer Creek Park Development Phase I: Playground, Trail Loop

Other projects TBD based on park dedication and pace of development

2019

Deer Creek Park Development Phase II: Parking Lot, Shelter & Basketball Court

Other projects TBD based on park dedication and pace of development

2020

Sunset Park Restrooms

Other projects TBD based on park dedication and pace of development

Expenditures	2016	2017	2018	2019	2020	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	2016	2017	2018	2019	2020	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

2016 Capital Improvements Program

2016 thru 2020

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: \$160,000**
 Additional sports field lighting to Prairie Ridge Sports Complex Fields 45 & 46

Justification
 In 2010 a partnership was developed with the Ankeny Girls Softball Association to light softball fields 41-44. A similar partnership will occur in 2018 to light the two remaining fields: 45 & 46. The project will be cost shared with the Ankeny Girls Softball Association.

Expenditures	2016	2017	2018	2019	2020	Total
Construction Costs			160,000			160,000
Total			160,000			160,000

Funding Sources	2016	2017	2018	2019	2020	Total
Hotel/Motel Tax Fund			80,000			80,000
Private Contributions			80,000			80,000
Total			160,000			160,000



2016 Capital Improvements Program

2016 thru 2020

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: \$1,327,200

The Ankeny Market and Pavilion consists of the following amenities: farmer’s market pavilion, trailhead, restroom facility, trail, plaza, and gateway entry features. The Ankeny Market and Pavilion 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 the hotel/motel fund and \$46,811 from the City’s growing green funds. Construction began in 2015 that included grading and utility work in addition to paving the access road and initial parking spaces. The first pavilion is planned to be erected in December.

Expenditures	2016	2017	2018	2019	2020	Total
Construction Costs	847,600	479,600				1,327,200
Total	847,600	479,600				1,327,200

Funding Sources	2016	2017	2018	2019	2020	Total
Other Grants	280,387					280,387
Private Contributions	567,213	479,600				1,046,813
Total	847,600	479,600				1,327,200



2016 Capital Improvements Program

2016 thru 2020

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 Sports 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	2016	2017	2018	2019	2020	Total
Construction Costs		235,000				235,000
Total		235,000				235,000

Funding Sources	2016	2017	2018	2019	2020	Total
Hawkeye Park Player Fees Fund		50,000				50,000
Hotel/Motel Tax Fund		175,000				175,000
Sports Complex Foundation Fund		10,000				10,000
Total		235,000				235,000



2016 Capital Improvements Program

2016 thru 2020

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: \$83,000

Several critical improvements are needed at the sports complex. These items are related to infrastructure and are the City's responsibility.

In 2015, dugout footings were replaced on fields #10 - #15 and irrigation was installed on tee ball fields #12 - #15

Justification

2016 - Replace dugout footings for baseball fields #5, #6, #7, #8, #9; estimated at \$33,000.

2016 - 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 #4 & #7 to the concession stand and two additional lights between fields #5 & #7 south to the quad center; estimated at \$23,000.

2017 - Replace dugout footings for baseball fields #1, #2, #3, #4; estimated at \$27,000.

Expenditures	2016	2017	2018	2019	2020	Total
Construction Costs	56,000	27,000				83,000
Total	56,000	27,000				83,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds	56,000	27,000				83,000
Total	56,000	27,000				83,000



2016 Capital Improvements Program

2016 thru 2020

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

Description **Total Project Cost:** \$222,000
 Prairie Ridge Sports Complex Soccer Fields are in need of subsurface drainage and grading work. Platform #34 is currently under renovation and is set to be completed in the spring of 2016. Platform #36 is next in line for renovation and is currently in the poorest condition.

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 #36, 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 #36 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	2016	2017	2018	2019	2020	Total
Construction Costs	72,000		74,000	76,000		222,000
Total	72,000		74,000	76,000		222,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds	72,000		74,000	76,000		222,000
Total	72,000		74,000	76,000		222,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Prairie Trail Development

Contact Parks and Recreation Director

Type New Construction

Useful Life 20 years

Category Park Facilities

Priority 3 Important

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

Description

Total Project Cost: \$470,000

Construction of 8' recreation trail in Chautauqua Park from SW Prairie Trail Parkway south along the west side of the lake to SW White Birch Drive and along the park frontage to SW White Birch Drive. The project also includes the clearing and restoration of the prairie area within the park located on the south side of SW Prairie Trail Parkway, adjacent to the Precedence neighborhood.

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 elimination of a gap in the trail system.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	20,000	50,000				70,000
Construction Costs		400,000				400,000
Total	20,000	450,000				470,000

Funding Sources	2016	2017	2018	2019	2020	Total
Civic Trust Fund	20,000	450,000				470,000
Total	20,000	450,000				470,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Type New Construction

Useful Life 20 years

Category Park Facilities

Priority 3 Important

Project # PRK-16-001
Project Name Community Trail Signage

Total Project Cost: \$85,000

Description

Purchase and install trail signage for both regional and community trails.

Justification

With the addition of the Ankeny Market Pavilion trailhead and three regional trails now converging in Ankeny, adequate directional trail signage is in high demand by visitors and residents alike. The signage improvements include directional standards for the regional trail systems to provide users with directions and distances to important destinations along and nearby the trail. The Central Iowa Trails (CIT) system is a world-class network of which, the 2015 Capital Crossroads initiative identified consistent trail signage as a top priority to bring uniformity to our multi-jurisdictional trails. Introducing and constructing portions of the CIT directional standards, as well as installing community trails signage, will continue to grow Ankeny as a biking destination and provide clear and consistent communication with trail users.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	5,000					5,000
Construction Costs	80,000					80,000
Total	85,000					85,000

Funding Sources	2016	2017	2018	2019	2020	Total
Hotel/Motel Tax Fund	85,000					85,000
Total	85,000					85,000

2016 Capital Improvements Program

2016 thru 2020

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: \$1,515,000
This program includes constructing pedestrian improvements adjacent to City streets:	
Sidewalk oversizing, 2016 to 2020 - \$50,000/year	
Sidewalk gaps along city property, 2016 to 2020 - \$25,000/year	
W First Street 8' sidewalk upgrade - Phase 1 (College Avenue to State Street), 2016 - \$175,000	
W First Street 8' sidewalk upgrade - Phase 2 (Linden Street to College Avenue), 2017 - \$175,000	
W First Street 8' sidewalk upgrade - Phase 3 (State Street to NW Elementary School), 2018 - \$125,000	
W First Street 8' sidewalk upgrade - Phase 4 (NW Elementary to High Trestle Trail), 2019 - \$200,000	
SE Magazine Road trail connection - Phase 3 (Trilein Drive to Delaware Avenue), 2020 - \$150,000	

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. The four phases of W First Street sidewalk upgrade are proposed to be designed and construction administered by a consultant due to engineering division staff workload.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	25,000	25,000	20,000	25,000		95,000
Construction Costs	395,000	350,000	180,000	210,000	225,000	1,360,000
Land/ROW Acquisition	10,000	10,000		40,000		60,000
Total	430,000	385,000	200,000	275,000	225,000	1,515,000

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Project Fund	430,000	135,000				565,000
G.O. Bonds		250,000	200,000	275,000	225,000	950,000
Total	430,000	385,000	200,000	275,000	225,000	1,515,000

2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Parks and Recreation

Contact Parks and Recreation Director

Type New Construction

Useful Life 20 years

Category Sidewalks/Trails

Priority 3 Important

Project # SDW-16-001
Project Name High Trestle Trail Extension-Ordance to Magazine

Description

Total Project Cost: \$410,000

The construction of a 10-foot PCC recreation trail along the High Trestle Trail corridor from the trail's current terminus (near SW Ordance Road) southeast across South Ankeny Boulevard to SE Magazine Road. At this location, the trail will connect with the existing 8' recreation trail on the north side of Magazine. The scope of the project includes the installation of a hawk trail crossing signal. This is tentative pending verification by an engineering study scheduled for 2016.

Justification

With the recent acquisition of the abandoned railroad R/W along the High Trestle Trail Corridor, the template has been set to continue the High Trestle Trail construction southeast through Ankeny so that it ultimately connects with the Oralabor Gateway Trail/Gay Lea Wilson Trail located on the south side of SE Oralabor Road. This project is the next logical segment of the trail. Having these three popular regional trails connected will greatly enhance the recreational experience within Ankeny and beyond.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design					55,000	55,000
Construction Costs					355,000	355,000
Total					410,000	410,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds					260,000	260,000
MPO/STP Grants					150,000	150,000
Total					410,000	410,000



2016 Capital Improvements Program

2016 thru 2020

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: \$2,439,000
Annual allocation of capital improvement funds for repair and replacement of sanitary sewers and structures.	
-CIPP sanitary sewer lining: 2016 - \$140,000; 2017 to 2020 (part of \$150,000/year)	
-Manhole major adjustments/repairs: 2016 - \$35,000; 2017 to 2020 (part of \$150,000/year)	
-Sanitary sewer spot repairs: 2017 to 2020 (part of \$150,000/year)	
-John Deere/SW Magazine Road sanitary sewer abandonment: 2016 - \$14,000	
-Sanitary sewer development oversizing: 2016 to 2020 - \$25,000/year	
-1/3 SW Southlawn Area Utility Improvements (Phase 5): 2016 - \$325,000	
-1/3 SE Eastlawn Area Utility Improvements (3 phases): 2016 - \$25,000 (design); 2017 - \$25,000 (design) \$300,000; 2018 - \$25,000 (design) \$275,000; 2019 - \$325,000	
-SW 3rd Street sanitary sewer study & upsizing, 2019 - \$300,000; 2020 - \$300,000	
-1/3 NW Northlawn Area Utility Improvements (4 phases): 2019 - \$25,000 (design); 2020 - \$25,000 (design) \$350,000	
Potential future projects: NE 3rd Street sanitary sewer study and upsizing; NE Crestmoor Place sanitary sewer study and upsizing; manhole repair at NW 18th Street & Elm Lane intersection	

Justification
The City's sanitary sewer system is continually inspected and monitored by Public Works staff. Public Works staff has determined the projects in this program by visual inspection of the manholes and pipes, and from investigations following resident complaints. The projects in this program are needed to maintain a functional sanitary sewer system, reduce inflow and infiltration, reduce long-term maintenance issues, and address resident complaints.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	25,000	25,000	25,000	25,000	25,000	125,000
Construction Costs	539,000	425,000	400,000	450,000	500,000	2,314,000
Total	564,000	450,000	425,000	475,000	525,000	2,439,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	564,000	450,000	425,000	475,000	525,000	2,439,000
Total	564,000	450,000	425,000	475,000	525,000	2,439,000

2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Sewer Utility

Contact City Engineer

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

Type New Construction
Useful Life 40 years
Category Sanitary Sewers
Priority 4 Less Important

Description **Total Project Cost: \$1,650,000**
 24" diameter and 18" 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 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 land south of NE 36th Street, as that area may experience development pressures first.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design			87,500	87,500		175,000
Construction Costs				1,225,000		1,225,000
Land/ROW Acquisition				250,000		250,000
Total			87,500	1,562,500		1,650,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund			87,500			87,500
Sewer Revenue Bonds				1,562,500		1,562,500
Total			87,500	1,562,500		1,650,000



2016 Capital Improvements Program

2016 thru 2020

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: \$1,000,000

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	2016	2017	2018	2019	2020	Total
Engineering-Design				50,000	50,000	100,000
Construction Costs					775,000	775,000
Legal-General/Spec. Assessment					125,000	125,000
Total				50,000	950,000	1,000,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund					950,000	950,000
Sewer Revenue Bonds				50,000		50,000
Total				50,000	950,000	1,000,000



2016 Capital Improvements Program

2016 thru 2020

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: \$750,000

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, was completed in 2015. 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	2016	2017	2018	2019	2020	Total
Construction Costs	745,000					745,000
Land/ROW Acquisition	5,000					5,000
Total	750,000					750,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	750,000					750,000
Total	750,000					750,000



2016 Capital Improvements Program

2016 thru 2020

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:** \$425,000
 18" diameter trunk sewer from the Rock Creek Interceptor Sewer east of NW Weigel Drive and west of Rock Creek, extended west across Weigel Drive.

Justification
 The Hidden Creek Trunk Sewer will provide sanitary sewer service for future development in the Rock Creek Development Basin. Previously, the scope of this project included extending the trunk sewer to the westerly line of Section 16-80-24. The proposed terminus of the project is now on the west side of NW Weigel Drive. It is anticipated that the trunk sewer will be extended further west with the proposed NW 18th Street Extension project.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	25,000					25,000
Construction Costs		360,000				360,000
Land/ROW Acquisition		40,000				40,000
Total	25,000	400,000				425,000

Funding Sources	2016	2017	2018	2019	2020	Total
Sewer Fund	25,000	400,000				425,000
Total	25,000	400,000				425,000



2016 Capital Improvements Program

2016 thru 2020

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: \$1,365,000

Annual allocation of funds for repair and replacement of storm sewer, structures, channels, etc. Specific projects for 2016:

NE 18th Street Channel Improvements - \$150,000
 SE Magazine Road Right-of-Way Channel Stabilization/Spot Repair - \$25,000
 Storm Water Detention Basin Management Projects - \$50,000
 Briarwood, North of Hillcrest Court Erosion Repair - \$50,000
 NW Westwood/NW 5th Storm Sewer Joint Repairs - \$40,000
 NE Frisk Drive Drainage Ditch Improvements - \$50,000
 Storm Water Conservation Design Features within City Property - \$20,000

Potential future projects: NW Scott Area Drainage Improvements, SE Cortina Area Drainage Improvements, NW 4th Street Localized Flooding Issue, High Trestle Train Drainage Issue at Sunnyview Nursing Home, Westwind Chanel Stabilization Repairs, and Driveway Culvert Replacement at State & Oralabor

Justification

The purpose of the projects is to address storm water conveyance and erosion issues. Joint repair will be completed in the storm sewer pipe west of NW Westwood and north of NW 5th to address the separation of pipe sections. Storm water detention basin management projects will be used to improve the safety, functionality, ecology, and aesthetics of the City's detention basins by completing spot improvements, establishing native buffers, mowing, etc. Storm water conservation design projects will be added on City property to provide water quality improvements and serve as a demonstration for residents.

Expenditures	2016	2017	2018	2019	2020	Total
Construction Costs	365,000	250,000	250,000	250,000	250,000	1,365,000
Total	365,000	250,000	250,000	250,000	250,000	1,365,000

Funding Sources	2016	2017	2018	2019	2020	Total
Storm Water Fund	365,000	250,000	250,000	250,000	250,000	1,365,000
Total	365,000	250,000	250,000	250,000	250,000	1,365,000

2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Project # STM-10-001
Project Name SE Area Storm Sewer Improvements-Phase 3

Type Improvement
Useful Life 40 years
Category Storm Water
Priority 2 Very Important

Description **Total Project Cost: \$250,000**
 The SE Area Storm Sewer project included storm sewer improvements on SE Uehlar, SE Wanda, SE 4th, SE Trilein, and SE Peterson. The project work in those areas was constructed in 2011, 2012, and 2013. The remaining proposed work is to repair and stabilize bank conditions and provide erosion protection in the existing open drainage channel between SE Delaware Avenue and I-35.

Justification
 The open channel improvements were estimated at \$150,000 in 2009. The cost is being adjusted 4% per year to 2020.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design					20,000	20,000
Construction Costs					230,000	230,000
Total					250,000	250,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - Storm Water					250,000	250,000
Abated						
Total					250,000	250,000



2016 Capital Improvements Program

2016 thru 2020

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: \$450,000

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 \$75,000 of the current contract to be used for construction administration and observation services by an engineering firm.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	75,000					75,000
Construction Costs	375,000					375,000
Total	450,000					450,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - Storm Water Abated	450,000					450,000
Total	450,000					450,000



2016 Capital Improvements Program

2016 thru 2020

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

Description

Total Project Cost: \$250,000

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 recommendation for improvements to the City's storm water management system, including potential areas for storm water retrofits.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design		250,000				250,000
Total		250,000				250,000

Funding Sources	2016	2017	2018	2019	2020	Total
Storm Water Fund		250,000				250,000
Total		250,000				250,000

2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Storm Water Utility

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Storm Water

Priority 3 Important

Project # STM-16-001
Project Name Tradition Detention Basin and Channel Improvements

Description

Total Project Cost: \$950,000

Improvements to address safety, capacity, functionality, sedimentation, erosion, and associated issues with the Tradition Basin and adjacent channels. The improvements may include redirecting the outflow from the RCB culvert under SW Tradition Drive; reconstructing and expanding the basins; dredging; installing off-channel sedimentation basins; re-shaping channels to establish stable slopes; and establishing native/wetland plantings.

Justification

Lack of capacity, functionality and sedimentation of the basins and channel stabilization and erosion are primary concerns. The safety issues are related to deficient structures, and the significant erosion issues are occurring due to the lack of function and capacity of the basins. The project costs are shown for concept plan and final design work to be completed in 2016 with construction of the project scheduled in 2017.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	150,000	50,000				200,000
Construction Costs		750,000				750,000
Total	150,000	800,000				950,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - Storm Water Abated	150,000	800,000				950,000
Total	150,000	800,000				950,000



2016 Capital Improvements Program

2016 thru 2020

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

Description

Total Project Cost: \$2,450,000

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 inspected in-house by Engineering Division staff. Patch locations are chosen based on field conditions (rider comfort and pavement defects). Specific large-scale utility projects are also partially funded through this program. These include:

-1/3 SW Southlawn Area Utility Improvements (Phase 5): 2016 - \$325,000

-1/3 SE East Lawn Area Utility Improvements (3 phases): 2016 - \$25,000 (design); 2017 - \$25,000 (design) \$300,000; 2018 - \$25,000 (design) \$275,000; 2019 - \$325,000

-1/3 NW Northlawn Area Utility Improvements (4 phases): 2019 - \$25,000 (design); 2020 - \$25,000 (design) \$350,000

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, but is assumed to be a constant \$150,000 per year for the next five years in the table below.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	475,000	25,000	25,000	25,000	25,000	575,000
Construction Costs	25,000	450,000	425,000	475,000	500,000	1,875,000
Total	500,000	475,000	450,000	500,000	525,000	2,450,000

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Project Fund	100,000					100,000
G.O. Bonds	400,000	475,000	450,000	500,000	525,000	2,350,000
Total	500,000	475,000	450,000	500,000	525,000	2,450,000

2016 Capital Improvements Program

2016 thru 2020

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: \$893,750

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 2016 include:

SW Irvinedale Drive Frontage Road HMA Overlay = \$50,000
 NE 18th Street HMA Full-Depth East of Delaware = \$125,000
 Prairie Ridge Sports Complex HMA Parking Lot Repairs = \$30,000
 East First Street HMA Overlay (County Project) = \$99,000

Specific projects for 2017 include two Polk County HMA projects on Ankeny border streets.

Potential future projects: SW Ordinance Road HMA overlay from SW State Street to South Ankeny Boulevard (five phases from 2018 to 2022); SW Railroad Avenue HMA overlay of gravel street; NE Delaware Avenue - NE 54th Street to County NE 126th Avenue, E First - NE Frisk Drive to NE 38th Street, SE 54th Street - SE Rio Court to SW Ankeny Road (cost share with Polk County); SW Ankeny Road from State to Oralabor (possible diamond grinding rehabilitation, \$125,000); SE Four Mile Drive from Oralabor to Magazine (possible cost share with Polk County); SW Weigel Drive from Polk City Drive to Camden Ridge.

Justification

Significant progress has been made on the overlaying of existing asphalt roadways along the exterior of the City limits. Engineering staff has identified potential projects within the center of the City that could benefit from the annual HMA program by eliminating existing gravel streets and shoulders, including SW Ordinance Road from SW State Street to South Ankeny Boulevard (HMA overlay and HMA shoulder inlay with HMA driveways) and SW Railroad Avenue from SW Ordinance Road to SW Walnut Street (full-depth HMA conversion of existing gravel street).

Expenditures	2016	2017	2018	2019	2020	Total
Construction Costs	325,000	118,750	150,000	150,000	150,000	893,750
Total	325,000	118,750	150,000	150,000	150,000	893,750

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds	300,000	118,750	150,000	150,000	150,000	868,750
Private Contributions	25,000					25,000
Total	325,000	118,750	150,000	150,000	150,000	893,750

2016 Capital Improvements Program

2016 thru 2020

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

Description

Total Project Cost: \$500,000

The annual pavement preservation program addresses the need for routine, preventative maintenance of the existing streets within Ankeny. The pavement preservation work consists of cleaning, sawing, and sealing the existing cracks and joints in the concrete streets.

Justification

This program is very important in extending the useful life and improving the aesthetics of the City's concrete streets. Public Works - Engineering Division staff will complete the design and administer construction for this program. Due to the rapidly growing amount of pavement infrastructure within the City and the continued aging of the pavement infrastructure, Public Works is requesting the annual allocation for this program be continued in future years. The continued funding would allow for additional streets, particularly those that are approximately 20 to 30 years old, to receive pavement preservation treatments.

Expenditures	2016	2017	2018	2019	2020	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	2016	2017	2018	2019	2020	Total
Capital Project Fund	100,000					100,000
G.O. Bonds		100,000	100,000	100,000	100,000	400,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

2016 Capital Improvements Program

2016 thru 2020

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: \$3,925,000

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, including some under-sized or deteriorated water main replacement when below street improvements.

2016: SE 3rd Street - From SE Trilein Drive to SE Delaware Avenue (Phase 1) = \$900,000

2017: SE 3rd Street - From SE Trilein Drive to SE Delaware Avenue (Phase 2) = \$725,000

2018: SE 8th Street - From S Ankeny Boulevard to SE Trilein Drive (Phase 1) = \$825,000

2019: SE 8th Street - From S Ankeny Boulevard to SE Trilein Drive (Phase 2) = \$850,000

2020: SE 8th Street - From S Ankeny Boulevard to SE Trilein Drive (Phase 3) = \$625,000

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. The engineering design and construction inspection associated with this program is fully completed in-house by the Engineering Division staff.

Expenditures	2016	2017	2018	2019	2020	Total
Construction Costs	900,000	725,000	825,000	850,000	625,000	3,925,000
Total	900,000	725,000	825,000	850,000	625,000	3,925,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds	500,000	500,000	500,000	500,000	500,000	2,500,000
Road Use Tax Fund	400,000	225,000	325,000	350,000	125,000	1,425,000
Total	900,000	725,000	825,000	850,000	625,000	3,925,000

2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Streets and Alleys

Priority 3 Important

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

Description

Total Project Cost: \$2,500,000

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	2016	2017	2018	2019	2020	Total
Engineering-Design				150,000	150,000	300,000
Construction Costs					2,200,000	2,200,000
Total				150,000	2,350,000	2,500,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds - TIF Abated				150,000	2,350,000	2,500,000
Total				150,000	2,350,000	2,500,000



2016 Capital Improvements Program

2016 thru 2020

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: \$8,350,000

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 & E 1st Street Interchange project. The City has received a total of \$2,600,000 in Federal Surface Transportation Program (STP) awards for the project. Bridge design was completed in 2015 and the street reconstruction design spans both 2015 and 2016.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	450,000	395,000				845,000
Construction Costs	2,000,000	5,300,000				7,300,000
Street Lighting		180,000				180,000
Land/ROW Acquisition	25,000					25,000
Total	2,475,000	5,875,000				8,350,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds	2,475,000	3,275,000				5,750,000
MPO/STP Grants		2,600,000				2,600,000
Total	2,475,000	5,875,000				8,350,000



2016 Capital Improvements Program

2016 thru 2020

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

Total Project Cost: \$3,600,000

Description

Based upon the 2015 Traffic and Concept Study by Foth Infrastructure and Environment, LLC, complete 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, SE Oralabor Road and I-35 ramp intersections, and along the SE Oralabor Road corridor from SE Peachtree Drive to just east of the I-35 interchange. Construction of the improvements are anticipated in 2017.

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	2016	2017	2018	2019	2020	Total
Engineering-Design	375,000					375,000
Construction Costs		3,200,000				3,200,000
Land/ROW Acquisition	25,000					25,000
Total	400,000	3,200,000				3,600,000

Funding Sources	2016	2017	2018	2019	2020	Total
FHWA/IDOT Grants		2,075,000				2,075,000
G.O. Bonds	400,000	1,125,000				1,525,000
Total	400,000	3,200,000				3,600,000



2016 Capital Improvements Program

2016 thru 2020

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 Corridor Improvements

Description

Total Project Cost: \$2,025,000

Reconstruction of the NW Irvinedale Drive and NW 5th Street intersection to provide traffic capacity and mobility improvements. Dedicated left turn lanes would be provided at all four legs of the intersection. Traffic signal improvements would also be needed to accommodate the dedicated left turn lanes. The reconstruction would provide an urban three-lane cross section on the south, north, and west legs of the intersection. In addition, safety improvements would be made along the west side of NW Irvinedale Drive between NW 5th Street and NW 9th Street. Some temporary construction easements would be required, along with franchise utility relocations.

Justification

NW Irvinedale Drive is an arterial street that serves a large portion of the northwest part of the City of Ankeny. This section of NW Irvinedale Drive is currently a two-lane rural section that was an old asphalt road 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	2016	2017	2018	2019	2020	Total
Engineering-Design			310,000			310,000
Construction Costs			1,625,000			1,625,000
Street Lighting			75,000			75,000
Land/ROW Acquisition			15,000			15,000
Total			2,025,000			2,025,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds			2,025,000			2,025,000
Total			2,025,000			2,025,000



2016 Capital Improvements Program

2016 thru 2020

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

Description

Total Project Cost: \$760,000

Paving, median, pedestrian ramp, pavement marking, and traffic signal improvements at all four approaches to the Ankeny Boulevard/US Highway 69 and 1st Street intersection. Minor right-of-way and/or easement acquisition may be required, and some private and public utility relocations may also be required. Since Ankeny Boulevard/US Highway 69 is a joint jurisdictional roadway, the proposed improvements will need to be coordinated with the Iowa DOT.

Justification

The project will improve traffic safety and mobility at the Ankeny Boulevard and 1st Street intersection by modifying the east and west approaches of the intersection to transition the through lanes and provide a single westbound left turn lane and a dedicated westbound right turn lane. Based on recent crash history, this intersection has been identified by the Iowa DOT as #22 on the statewide Safety Improvement Candidate Location (SICL) list and is the highest ranked intersection in Ankeny. Due to the intersection's crash history, Public Works believes the proposed project is a good candidate to receive Traffic Safety Improvement Program (TSIP) funding through the Iowa DOT. Public Works plans to submit a TSIP funding application in August 2016.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design		75,000	65,000			140,000
Construction Costs			600,000			600,000
Land/ROW Acquisition		20,000				20,000
Total		95,000	665,000			760,000

Funding Sources	2016	2017	2018	2019	2020	Total
FHWA/IDOT Grants			300,000			300,000
G.O. Bonds		95,000	365,000			460,000
Total		95,000	665,000			760,000



2016 Capital Improvements Program

2016 thru 2020

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-16-001
Project Name S Ankeny Blvd and SE Shurfine Dr Intersection

Description

Total Project Cost: \$2,700,000

Reconstruction of the existing South Ankeny Boulevard (US Highway 69) and SE Shurfine Drive intersection to provide dedicated left turn lanes in all directions. Traffic signal improvements will also be required to accommodate the dedicated left turn lanes. No property acquisition is anticipated with this intersection improvements project. Franchise utility relocations will likely be required in advance of the project construction.

Justification

This project will improve traffic capacity and mobility at the South Ankeny Boulevard (US Highway 69) and SE Shurfine Drive intersection by providing dedicated left turn lanes in all directions. This intersection is currently a tee intersection, but will be reconstructed into a four-legged intersection to support the planned construction of SW Prairie Trail Parkway to the west of the intersection.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design		200,000	200,000			400,000
Construction Costs			2,300,000			2,300,000
Total		200,000	2,500,000			2,700,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds		200,000	2,500,000			2,700,000
Total		200,000	2,500,000			2,700,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Streets and Alleys

Priority 3 Important

Project # STR-16-002
Project Name NW 18th Street Extension

Description **Total Project Cost: \$3,500,000**
 Extension of NW 18th Street from NW Weigel Drive west approximately 2,800 LF to NW Abbie Drive. The current gravel road with rural ditch section will be replaced with a 31-foot wide concrete street with curb and gutter. The project will also include 8-foot wide sidewalk on the south side, sanitary sewer, storm sewer, water main, street lighting, landscaping/street trees and signing.

Justification
 This street extension will improve traffic mobility and support the current and anticipated future development in the northwest quadrant of Ankeny. In the future after this project is completed, the plan is to extend NW 18th Street from NW Abbie Drive west to IA Highway 415.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design			225,000	225,000		450,000
Construction Costs				3,000,000		3,000,000
Land/ROW Acquisition			50,000			50,000
Total			275,000	3,225,000		3,500,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds			275,000	3,225,000		3,500,000
Total			275,000	3,225,000		3,500,000



2016 Capital Improvements Program

2016 thru 2020

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-16-003
Project Name SW Oralabor Rd and SW Irvinedale Dr Intersection

Description

Total Project Cost: \$2,575,000

Reconstruction of the SW Oralabor Road and SW Irvinedale Drive intersection. This project will also include engineering design and construction services and associated paving and traffic signal improvements.

Justification

The justification for this project is to improve traffic mobility and safety at this intersection of arterial streets. This project will replace the aging traffic signal equipment and modify the configuration of the traffic lanes to achieve better traffic flow and improve safety at the intersection. The intersection improvements will be coordinated with the recent reconstruction of SW Irvinedale Drive.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design					200,000	200,000
Total					200,000	200,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds					200,000	200,000
Total					200,000	200,000



2016 Capital Improvements Program

2016 thru 2020

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Streets and Alleys

Priority 3 Important

Project # STR-16-004
Project Name West First Street Widening & Improvements-Phase 1

Description

Total Project Cost: \$4,400,000

This project includes the reconstruction of West First Street from just west of Ankeny Boulevard west to SW Scott Street. The new street section will be widened to include left turn lanes and a center turn lane. Additional improvements will include a DART bus station turn-out lane, new traffic signals, utility relocations and a reconstructed recreation trail.

Justification

This project is viewed as the first phase of similar projects that will widen West First Street from Ankeny Boulevard west to State Street. Justification includes the improved traffic safety that will result, and the age/deteriorating condition of the existing pavement. The current undivided four-lane street is inefficient, as left turning vehicles block the inside through traffic lanes. This results in traffic backups and increased accident potential along the corridor. West First Street carries heavy daily traffic and the pavement requires regular patching and will approach the end of its useful life by 2020.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design					500,000	500,000
Construction Costs					3,900,000	3,900,000
Total					4,400,000	4,400,000

Funding Sources	2016	2017	2018	2019	2020	Total
G.O. Bonds					2,900,000	2,900,000
MPO/STP Grants					1,500,000	1,500,000
Total					4,400,000	4,400,000



2016 Capital Improvements Program

2016 thru 2020

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

Total Project Cost: \$2,345,000

Description

2016 - SW State Street & SW Tradition Drive/SW White Birch Drive Signal (\$375,000; \$150,000 U-STEP)
 2017 - W 1st Street & IA Highway 415 Signal (\$350,000; assume cost share with Polk County and Iowa DOT)
 2017 - SW State Street & SW Prairie Trail Parkway (\$380,000)
 2018 - NW Irvinedale Drive & NW 18th Street Temporary Signal (\$90,000)
 2018 - Fiber Optic Conduit Connection to The District at Prairie Trail (\$150,000)
 2018 - SE Delaware Avenue & SE 54th Street Signal (\$300,000; construction ½ funded by developer)
 2019 - 2020 - Traffic Signal Projects To Be Determined (\$350,000)

Potential future projects: SE Delaware Avenue & SE 8th Street; SW Ordnance Road and SW Cherry Street; SW State Street & SW Plaza Parkway; Fiber Optic Conduit Connection along SE Delaware Avenue from SE Magazine Road to E 1st Street; SW Oralabor Road & SW Glenbrooke; US Highway 69 & NE Georgetown; NW 36th Street & NW Ash Drive; NW 36th Street & NW State Street; NW 36th Street & NW Abilene Drive; additional Fiber Optic projects for redundancy; I-35 Southbound Exit Ramp at SE Corporate Woods Drive

Justification

The City currently has 62 traffic signals. 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	2016	2017	2018	2019	2020	Total
Engineering-Design	75,000	110,000	20,000	50,000	50,000	305,000
Construction Costs	300,000	620,000	520,000	300,000	300,000	2,040,000
Total	375,000	730,000	540,000	350,000	350,000	2,345,000

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Project Fund			112,500			112,500
County Contributions		100,000				100,000
FHWA/IDOT Grants	150,000	100,000				250,000
G.O. Bonds	225,000	530,000	277,500	350,000	350,000	1,732,500
Private Contributions			150,000			150,000
Total	375,000	730,000	540,000	350,000	350,000	2,345,000

2016 Capital Improvements Program

2016 thru 2020

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

Description

Total Project Cost: \$125,000

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

A fifth flashing signal, to be located at the SW Ordinance Road and SW Cherry Street intersection, was subsequently added to the project.

Justification

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. 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.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	15,000					15,000
Construction Costs	110,000					110,000
Total	125,000					125,000

Funding Sources	2016	2017	2018	2019	2020	Total
Capital Project Fund	45,000					45,000
MPO/STP Grants	80,000					80,000
Total	125,000					125,000

2016 Capital Improvements Program

2016 thru 2020

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: \$2,770,000

Annual allocation of capital improvement funds for repair and replacement of water utility infrastructure. Specific projects for 2016 to 2020 include the following:

- Water main development oversizing: 2016 to 2020 - \$50,000/year
- Remove 4 solenoid valves on the SW side of Ankeny: 2016 - \$20,000
- 1/3 SW Southlawn Area Utility Improvements (Phase 5): 2016 - \$325,000
- 1/3 SE East Lawn Area Utility Improvements (3 phases): 2016 - \$25K (design); 2017 - \$25K (design) \$300K; 2018 - \$25K (design) \$275K; 2019 - \$325K
- SW 3rd St (Maple to Scott) Water Main Improvements, 2018 - \$400,000
- W 1st St (Chapel to Des Moines) Water Main Improvements (2 phases), 2019 - \$400K; 2020 - \$375k
- 1/3 NW Northlawn Area Utility Improve. (4 phases): 2019 - \$25K (design); 2020 - \$25K (design) \$350

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 (SE East Lawn & NW Northlawn Areas) anticipate the use of a consulting engineer.

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	25,000	25,000	25,000	25,000	25,000	125,000
Construction Costs	395,000	350,000	725,000	375,000	800,000	2,645,000
Total	420,000	375,000	750,000	400,000	825,000	2,770,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	420,000	375,000	750,000	400,000	825,000	2,770,000
Total	420,000	375,000	750,000	400,000	825,000	2,770,000

2016 Capital Improvements Program

2016 thru 2020

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: \$625,000

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	2016	2017	2018	2019	2020	Total
Engineering-Design	65,000					65,000
Construction Costs	550,000					550,000
Land/ROW Acquisition	10,000					10,000
Total	625,000					625,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	625,000					625,000
Total	625,000					625,000



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: \$975,000
<p>24" 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 proposed that this extension be a 24" diameter main in order to provide more capacity and better pressure to serve future projected growth east of Interstate 35. The current Water Storage and Distribution System Study and Master Plan is scheduled to be complete in 2016 will confirm the necessary size prior to design</p>	

Justification
<p>This project will provide a loop connection between the proposed 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.</p>

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	62,500	62,500				125,000
Construction Costs		850,000				850,000
Total	62,500	912,500				975,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	62,500					62,500
Water Revenue Bonds		912,500				912,500
Total	62,500	912,500				975,000



2016 Capital Improvements Program

2016 thru 2020

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: \$1,925,000

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 Water Storage and Distribution System Study and Master Plan (by DMWW and HDR).

Expenditures	2016	2017	2018	2019	2020	Total
Engineering-Design	150,000	150,000				300,000
Construction Costs		1,600,000				1,600,000
Land/ROW Acquisition	25,000					25,000
Total	175,000	1,750,000				1,925,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Fund	175,000					175,000
Water Revenue Bonds		1,750,000				1,750,000
Total	175,000	1,750,000				1,925,000



2016 Capital Improvements Program

2016 thru 2020

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: \$1,525,000

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	2016	2017	2018	2019	2020	Total
Engineering-Design		125,000	125,000			250,000
Construction Costs			1,250,000			1,250,000
Land/ROW Acquisition		25,000				25,000
Total		150,000	1,375,000			1,525,000

Funding Sources	2016	2017	2018	2019	2020	Total
Water Revenue Bonds		150,000	1,375,000			1,525,000
Total		150,000	1,375,000			1,525,000



2016 Capital Improvements Program

2016 thru 2020

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 Water Storage and Distribution System Study and Master Plan (by DMWW and HDR).

Expenditures	2016	2017	2018	2019	2020	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	2016	2017	2018	2019	2020	Total
Water Revenue Bonds			150,000	1,600,000		1,750,000
Total			150,000	1,600,000		1,750,000



Section 5

2016-2020 CAPITAL IMPROVEMENTS PROGRAM
2016 CONSTRUCTION PROJECTS

Annual Park Development Program

1. Sunrise Park Splash Pad & Restrooms/Sawgrass Swing Set

Annual Sidewalk/Trail Construction

2. West First Street 8' Sidewalk Upgrade - Phase 1 (College Avenue to State Street)
3. South Ankeny Boulevard Trail Replacement

Annual Sanitary Sewer Replacement Program

Sanitary Sewer Spot Repairs/Manhole Repairs/Slip Lining

4. SW Southlawn Area Utility Improvements (1/3 Sanitary, Water, Patching)

Annual Storm Water Improvements Program

5. NE 18th Street Channel Improvements

Annual PCC Street Patching Program

6. Full-Depth Street Patches and Intake Replacements
SW Southlawn Area Utility Improvements (1/3)

Annual Asphalt Street Resurfacing Program

7. SW Irvinedale Drive Frontage Road Overlay
7. NE 18th Street HMA Full-Depth East of Delaware
7. NE 94th Avenue / East First Street Overlay

Annual Pavement Preservation Program

Joint and Crack Sealing

Annual Street Replacement Program

8. SE 3rd Street - SE Trilein Drive to SE Delaware Avenue (Phase 1)

Annual Traffic Signal Improvement Program

9. SW State Street and SW White Birch Drive Signal

Annual Water Main Extension/Replacement Program

Solenoid Valve Removal (4) - SW Ankeny
SW Southlawn Area Utility Improvements (1/3)

10. SW Vintage Parkway – SW Irvinedale Drive to SW Magazine Road
11. Community Trail Signage
12. Ankeny Market and Pavilion
13. Prairie Ridge Sports Complex - Field Improvements
14. Prairie Ridge Sports Complex - Drainage Improvements
15. SE Sharon Drive Sanitary Sewer Replacement
16. Tributary A to Four Mile Creek Channel Improvements
17. NE 36th Street Reconstruction – Bridge Widening
18. School Zone Flashing Signals
19. East First Street Rural Water Main Extension
20. NW 13th Street RCB Culvert for Rock Creek

2016-2020 CAPITAL IMPROVEMENTS PROGRAM
2017 CONSTRUCTION PROJECTS

Annual Park Development Program

1. Crestbrook Park Trail Overlay and West Playground
1. Wildflower Park Shelter

Annual Sidewalk/Trail Construction

2. West First Street 8' Sidewalk Upgrade - Phase 2 (Linden Street to College Avenue)
3. Northcreek Park Trail Replacement

Annual Sanitary Sewer Replacement Program

- Sanitary Sewer Spot Repairs/Manhole Repairs/Slip Lining
4. SE Eastlawn Area Utility Improvements (1/3 Sanitary, Water, Patching)

Annual Storm Water Improvements Program

Projects TBD according to Basin Study Results

Annual PCC Street Patching Program

Full-Depth Street Patches and Intake Replacements
SE Eastlawn Area Utility Improvements (1/3)

Annual Asphalt Street Resurfacing Program

5. NE Delaware Avenue Overlay
6. SE 54th Street Overlay

Annual Pavement Preservation Program

Joint and Crack Sealing

Annual Street Replacement Program

7. SE 3rd Street - SE Trilein Drive to SE Delaware Avenue (Phase 2)

Annual Traffic Signal Improvement Program

8. West First Street and Hwy. 415 Signal
9. SW State Street and SW Prairie Trail Parkway Signal

Annual Water Main Extension/Replacement Program

- SE Eastlawn Area Utility Improvements (1/3)
10. SW Prairie Trail Parkway- FAA Enrichment Center to SW School Street
 11. Fire Station #3
 12. Chautauqua Park Lake Recreation Trail
 13. The District at Prairie Trail - Parking Lot Phase 3B
 14. The District at Prairie Trail - Street Extensions
 15. Ankeny Market and Pavilion
 16. Hawkeye Park Sports Field Lighting
 17. Prairie Ridge Sports Complex - Field Improvements
 18. Hidden Creek Trunk Sewer - Phase 1
 19. Tradition Detention Basin and Channel Improvements
 20. NE 36th Street Reconstruction
 21. SE Oralabor Road and SE Delaware Avenue Intersection Improvements
 22. SE Four Mile Drive Rural Water Main Extension
 23. SW Irvinedale Drive Feeder Main

