

# Capital Improvement Plan

Data in Year 2010

**Department** Fire  
**Contact** Assistant City Manager  
**Type** Purchase  
**Useful Life** 40 years  
**Category** Municipal Buildings  
**Priority** 5 Future Consideration

## City of Ankeny, Iowa

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

Equip In Svc Date

**Description** **Total Project Cost: \$5,130,000**  
 This project would involve a facility location study for the third fire station (2nd satellite station) and set aside funds to purchase land in anticipation of construction of a 3rd station in a future year, pending passage of a public referendum.

**Justification**  
 This project will allow the city to identify the future site of the next fire station and attempt to purchase that site. It is anticipated the 3rd fire station will be located on west side of the community.

Prior	Expenditures	2010	2011	2012	2013	2014	Total	Future
10,000	Land/ROW Acquisition	500,000					500,000	4,620,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>					<b>500,000</b>	<b>Total</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total	Future
10,000	Private Contributions	500,000					500,000	4,620,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>					<b>500,000</b>	<b>Total</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Fire  
**Contact** Fire Chief  
**Type** Replacement  
**Useful Life** 20 years  
**Category** Operating/Construction Equip  
**Priority** 2 Very Important

## City of Ankeny, Iowa

**Project #** OEQ-06-001  
**Project Name** Fire Apparatus Replacement Program

Equip In Svc Date

Description	Total Project Cost: \$1,550,000
Purchase of a replacement fire pumper for Unit No. 124 in 2010.	
Purchase of a replacement aerial platform truck Unit No. 131 in 2011.	

Justification
This is the scheduled replacement of Engine 3 (1980 Pemfab/Emergency One), which will be 25 years old upon its retirement. Scheduled replacement is part of the current fleet replacement schedule and is warranted due to its age, condition, various maintenance concerns and lack of compliance with numerous applicable National Fire Protection Association (NFPA) standards for fire apparatus

Expenditures	2010	2011	2012	2013	2014	Total
Vehicle/Equipment	450,000	1,100,000				1,550,000
<b>Total</b>	<b>450,000</b>	<b>1,100,000</b>				<b>1,550,000</b>

Funding Sources	2010	2011	2012	2013	2014	Total
Capital Project Cash Balances	200,000					200,000
G.O. Bonds	250,000	1,100,000				1,350,000
<b>Total</b>	<b>450,000</b>	<b>1,100,000</b>				<b>1,550,000</b>

Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

**Project #** BLD-06-003  
**Project Name** Cascade Falls Aquatic Center

**Type** New Construction

**Useful Life** 20 years

**Category** Park Facilities

**Priority** 2 Very Important

Equip In Svc Date

**Total Project Cost: \$10,000,000**

**Description**

Development of new aquatic center in the Prairie Trail Development.

The Aquatic Center # 2 Project will be phased over a 2-year period, with construction beginning in March 2009, with the target of opening the new pool in June 2010. The new pool will be funded by Civic II. The pool project has been on the CIP list as a needed project for the last several years.

**Justification**

Prior	Expenditures	2010	2011	2012	2013	2014	Total
5,000,000	Engineering-Design	400,000					400,000
	Construction Costs	4,600,000					4,600,000
<b>Total</b>	<b>Total</b>	<b>5,000,000</b>					<b>5,000,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
5,000,000	Civic Trust Cash Balances	5,000,000					5,000,000
<b>Total</b>	<b>Total</b>	<b>5,000,000</b>					<b>5,000,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

<b>Project #</b>	<b>PRK-00-002</b>
<b>Project Name</b>	<b>Annual Park Development Project</b>

**Type** Improvement

**Useful Life** 20 years

**Category** Park Facilities

**Priority** 2 Very Important

**Equip In Svc Date**

Description	Total Project Cost: \$5,100,000
Includes the development of new parks and park facilities, and the redevelopment of existing park sites. Typical improvements include playgrounds, shelters, trail loops/connections, picnic amenities, and landscaping. Improvements are based on adopted master plans, staff recommendations, park board input, and the City of Ankeny Parks, Facilities, and Recreation (PFR) Comprehensive Plan. This is an annual appropriation and historically has been funded at the \$700,000 level. We are recommending that this funding level decrease for the initial years of the CIP and be restored towards the end.	

Justification
<p>2010 Projects Include:</p> <p>Hillside Park - playground, shelter, trail loop, pond improvements, landscaping                      Somersby Park Phase III - trail connections to Fallen Soldier Memorial, SW Goodwin Street &amp; Dog Park                      Lakeside Center @ Hawkeye Park - brick patio and entry way improvements to Lakeside Center                      Hawkeye Park Phase III - fishing pier on pond (similar in size and scope to Sawgrass Park pier)                      White Birch Park - shelter and trail connections                      Sawgrass Park - swing set (4-bay)                      Greentree Park - Merry-Go-Round                      PR Aquatic Renovation Phase I - shade structures, incorporation of splash park, safety pad under family slide                      Park Grading, Seeding, &amp; Landscaping - various park sites                      Park Signage Conversions/New Signs - various park sites, per parks plan</p> <p>2011 &amp; 2012 Projects Include:</p> <p>Heritage Park - pedestrian bridge and parking/entry area improvements                      Somersby/Siena Hills Park - expansion of Somersby Park to the east (6-7 added acres of park land)                      Somersby Prairie Park - adding 4.5 acre prairie park on NW corner of park (SW Ankeny Road &amp; SW Goodwin)                      Wildflower Park - shelter construction, boardwalk trail, and pond improvements                      Watercrest/Cherry Glen Park - pond enhancements such as fountains, native landscaping, and fishing pier                      Playground Surfacing Conversions - converting 3 playground surfaces from wood fiber mulch to rubber                      Lakeside Center - new roof on facility                      Sunrise Park - water feature, per parks plan                      Park Grading, Seeding, &amp; Landscaping - various park sites                      Park Signage Conversions/New Signs - various park sites, per parks plan</p> <p>**Please note, 2013-14 projects include continuation of 2011/2012 projects and re-development of several existing park site, per the Parks, Facilities &amp; Recreation Plan.</p>

Prior	Expenditures	2010	2011	2012	2013	2014	Total
2,600,000	Construction Costs	300,000	300,000	500,000	700,000	700,000	2,500,000
<b>Total</b>	<b>Total</b>	<b>300,000</b>	<b>300,000</b>	<b>500,000</b>	<b>700,000</b>	<b>700,000</b>	<b>2,500,000</b>

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

<b>Prior</b>	<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
2,600,000	G.O. Bonds	300,000	300,000	500,000	700,000	700,000	2,500,000
<b>Total</b>	<b>Total</b>	<b>300,000</b>	<b>300,000</b>	<b>500,000</b>	<b>700,000</b>	<b>700,000</b>	<b>2,500,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

**Project #** PRK-08-001  
**Project Name** Otter/Renaissance Park Development

**Type** Replacement

**Useful Life** 20 years

**Category** Park Facilities

**Priority** 2 Very Important

Equip In Svc Date

**Description** **Total Project Cost: \$1,101,000**  
 The development of Otter Creek Park & Renaissance Park was phased over a two-year period. The first phase occurred in 2009 and the park will be finished in 2010. Planned enhancements in 2010 include: shelter construction, pond enlargement, trail, landscaping, and green space development.

**Justification**  
 The redevelopment of Otter Creek Golf Course necessitated moving the Otter Creek Park. The park has been relocated to the SW corner of the golf course property on nine acres of land. An additional three acres of land across 36th was purchased in 2008 and is known as Renaissance Park. This combined 12-acres of park has been developed together, phased over two years. The initial phase was completed in 2009. The second phase, estimated at \$461,000 is scheduled for 2010. The project will be completed summer 2010.

Prior	Expenditures	2010	2011	2012	2013	2014	Total
640,000	Engineering-Design	42,038					42,038
	Construction Costs	418,962					418,962
<b>Total</b>	<b>Total</b>	<b>461,000</b>					<b>461,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
640,000	G.O. Bonds	461,000					461,000
<b>Total</b>	<b>Total</b>	<b>461,000</b>					<b>461,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

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

**Type** New Construction

**Useful Life** 40 years

**Category** Park Facilities

**Priority** 4 Less Important

Equip In Svc Date

**Total Project Cost: \$807,000**

**Description**  
 This project adds sports field lighting to four softball fields and six baseball fields at Prairie Ridge Sports Complex. Sports field lighting is the last major improvement needed at Prairie Ridge and completes the master plan that was developed in the late 1990's. A partnership has been developed with Ankeny Girls Softball to assist in funding softball field lighting and Ankeny Little League Baseball to fund baseball field lighting. The project would also include private funds and/or grants procured by the Ankeny Sports Complex Foundation. The City of Ankeny would be asked to contribute Hotel-Motel tax money to the project. The sports field lighting initiative would be phased over a three year period, beginning in 2010.

**Justification**  
 Lighting four softball and six baseball fields adds 30% more play to Prairie Ridge Sports Complex and makes the facility eligible for hosting larger and higher profile tournament events. Baseball and softball activity at Prairie Ridge has averaged 6-10% growth per year for the last five years. More field time is needed for games and also tournament play.  
 The project will be phased and the majority of the funding will come from non-city sources, much of which has been lined up with Girls Softball and Little League through their fundraising efforts and existing cash flows. A Prairie Meadows Legacy Grant has been applied for by the Ankeny Sports Complex Foundation. City funding is proposed to come from existing balances in the Hotel-Motel account and would total \$150,000 (\$50,000 per year for three years).  
 While the project estimate has been developed courtesy of Musco, a recognized sports field lighting company; the project will be publicly bid and the plans/specifications developed by a certified lighting engineer to insure that competitive and non-biased bids will be received.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Construction Costs	258,000	227,000	322,000			807,000
<b>Total</b>	<b>258,000</b>	<b>227,000</b>	<b>322,000</b>			<b>807,000</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Capital Project Cash Balances	50,000	50,000	50,000			150,000
Private Contributions	208,000	177,000	272,000			657,000
<b>Total</b>	<b>258,000</b>	<b>227,000</b>	<b>322,000</b>			<b>807,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**City of Ankeny, Iowa**

Data in Year 2010

**Department** Parks and Recreation

**Contact** Parks and Recreation Director

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

**Project #** PRK-09-003  
**Project Name** Promenade Park Development

**Type** Improvement

**Useful Life** 40 years

**Category** Park Facilities

**Priority** 1 Urgent

Equip In Svc Date

**Total Project Cost: \$4,045,000**

### Description

Promenade Park is a 10+ acre park with a five acre pond which will be a central focus in the Prairie Trail development. The park is located in Prairie Trail adjacent to the north pond that is now referred to as Vintage Park. Shelter, trails, pavilions, water features, and a pedestrian bridge are some of the major facilities planned for this park space.

### Justification

Now that the developer of The District at Prairie Trail has been determined and now that the concept plan and infrastructure plans for the town center area are now in hand; the development of Promenade Park can begin. The first step will be to modify the master plan to conform to the new town center area. A key aspect of the park development will be to coordinate the park edge on the east side with the planned restaurants that will be located next to the park. The modification of the master plan will begin in early 2010 and construction will commence in fall of 2010 or spring of 2011. We expect to phase Promenade Park over several years. The Civic Trust Fund partnership with DRA Properties will pay for the majority of the project; however it is conceivable that depending on final construction costs grant funds or privately raised funds will assist in the overall funding plan of Promenade Park.

Expenditures	2010	2011	2012	2013	2014	Total
Engineering-Design	40,000	90,000	230,000			360,000
Construction Costs	460,000	900,000	2,300,000			3,660,000
Planning Estimate	25,000					25,000
<b>Total</b>	<b>525,000</b>	<b>990,000</b>	<b>2,530,000</b>			<b>4,045,000</b>

Funding Sources	2010	2011	2012	2013	2014	Total
G.O. Bonds-TIF Abated	525,000	990,000	2,530,000			4,045,000
<b>Total</b>	<b>525,000</b>	<b>990,000</b>	<b>2,530,000</b>			<b>4,045,000</b>

### Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

**Project #** SDW-07-001

**Type** New Construction

**Project Name** Neal Smith Connector Bike Trail

**Useful Life** 40 years

**Category** Sidewalks/Trails

**Equip In Svc Date**

**Priority** 3 Important

**Total Project Cost: \$800,000**

### Description

Design and construction of a 10' wide recreation trail along the south side of SW Oralabor Road. The scope of services will include grading, barrier rails, a trail bridge, culvert extensions, PCC paving and associated improvements.

Phase 1 includes the trail from S Ankeny Boulevard to SW State Street, estimated at \$600,000.

Phase 2 includes the segment of trail from SW Irvinedale Drive east approximately 2/3 of a mile, estimated at \$200,000.

### Justification

This project will provide a vital link between the existing Gay Lea Wilson Trail east of Ankeny Blvd. and the proposed Polk County trail that will run from the intersection of SW Irvinedale Drive and SW Oralabor Road west to the Neal Smith Trail at Saylorville Lake. The Polk County trail will be under construction next year.

Funding : \$150,000 in FFY 2009 TE program (to be rolled over to 2011)  
 \$100,000 in FFY 2013 TE program  
 \$150,000 in FFY 2014 TE program has been requested

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Engineering-Design	100,000					100,000
Construction Costs		650,000				650,000
Land/ROW Acquisition	50,000					50,000
<b>Total</b>	<b>150,000</b>	<b>650,000</b>				<b>800,000</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
G.O. Bonds	150,000	400,000				550,000
MPO/STP Grants		250,000				250,000
<b>Total</b>	<b>150,000</b>	<b>650,000</b>				<b>800,000</b>

### Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

**Project #** SDW-07-002  
**Project Name** Gay Lea Wilson Trail Extension

**Type** New Construction

**Useful Life** 20 years

**Category** Sidewalks/Trails

**Priority** 2 Very Important

Equip In Svc Date

**Total Project Cost: \$1,639,124**

**Description**

The focus of this project is connecting Ankeny to the existing Gay Lea Wilson Trail located in northern Des Moines. This 7.3 mile trail connection is a collaborative project between the City of Ankeny and Polk County Conservation, with support from the City of Des Moines.

The trail will be 10' PCC with 2' earth shoulders. An existing trail pad exists under Interstate-35. The trail path follows abandoned railroad, right-of-way, and acquired property.

**Justification**

The Gay Lea Wilson Trail, Ankeny to Des Moines section is a key missing link in the Central Iowa Trail Loop. The City of Ankeny and Polk County have been working for the last several years to line up funding for this 7.3 mile, \$2,920,000 project. To date funding received is as follows:

STP-TE Funds – 2010 (Ankeny) \$175,000  
 STP-TE Funds – 2011 (Polk County) \$100,000  
 STP-TE Funds – 2012 (Shared) \$202,500  
 DNR REAP – 2009 (Ankeny) \$150,000

Total Funding Received = \$627,500

In addition, a State Recreational Trails Grant (DOT) is pending for \$250,000 and an MPO STP-TE is pending for \$300,000. These speculative awards are not reflected on the table below.

REAP requires that its money be spent by December 31, 2011 so at least a phase of the project will need to be completed by then. The numbers reflected below show Ankeny's 4.5 mile portion of the trail and DO NOT include Polk County's 2.8 miles. The estimate of cost on Ankeny's section is \$1,639,124. Grant funding received to date has been pro-rated as well if the funding appropriation was to be shared between the City and County.

Expenditures	2010	2011	2012	2013	2014	Total
Engineering-Design	163,912					163,912
Construction Costs		737,606	737,606			1,475,212
<b>Total</b>	<b>163,912</b>	<b>737,606</b>	<b>737,606</b>			<b>1,639,124</b>

Funding Sources	2010	2011	2012	2013	2014	Total
G.O. Bonds	163,912	412,606	336,356			912,874
IDNR/REAP/RIG Grants		150,000	150,000			300,000
MPO/STP Grants		175,000	251,250			426,250
<b>Total</b>	<b>163,912</b>	<b>737,606</b>	<b>737,606</b>			<b>1,639,124</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**City of Ankeny, Iowa**

Data in Year 2010

**Department** Parks and Recreation

**Contact** Parks and Recreation Director

# Capital Improvement Plan

Data in Year 2010

**Department** Parks and Recreation

## City of Ankeny, Iowa

**Contact** Parks and Recreation Director

**Project #** SDW-10-001  
**Project Name** Woodland Reserve Greenway Improvements

**Type** New Construction

**Useful Life** 40 years

**Category** Sidewalks/Trails

**Priority** 4 Less Important

Equip In Svc Date

**Total Project Cost: \$2,100,000**

**Description**  
 The project focuses on the 100-acre greenway from 36th Street to 54th Street and encompasses the outdoor education center and what is generally referred to as the Woodland Reserve Greenway. This linear greenway features Four Mile Creek which meanders through the property. This project, to be phased over 4-5 years, will include streambank stabilization, stormwater management, trail development, invasive landscape removal and clearing, native landscaping/prairie development, and enhancing the outdoor education center as well as the park around the center. A master plan, to be completed by Wenk Associates, will begin winter/spring 2010 and it is anticipated that construction work will begin in 2013.

**Justification**  
 The project is being done to enhance the Woodland Reserve Greenway and to take advantage of some of the unique amenities that are already in place along the greenway. Significant enhancements are needed and will focus on park development and conservation design. A partnership will be developed with the Polk County Soil & Water Conservation District, and this partnership will assist the City in procuring outside funding for the project's completion. In addition, a series of grants will be pursued for various project components. The initial phase of the project will be a master plan, using the services of Wenk Associates. Since roughly half of the project is related to water quality, funding from Municipal Utilities will assist in paying for the master plan study and construction phases. Construction phasing of the greenway will begin in 2011 and continue with phases through 2014.

Expenditures	2010	2011	2012	2013	2014	Total	Future
Engineering-Design				50,000	50,000	100,000	1,000,000
Construction Costs				450,000	450,000	900,000	
Planning Estimate	100,000					100,000	
<b>Total</b>	<b>100,000</b>			<b>500,000</b>	<b>500,000</b>	<b>1,100,000</b>	

Funding Sources	2010	2011	2012	2013	2014	Total	Future
G.O. Bonds	50,000			500,000	500,000	1,050,000	1,000,000
Stormwater Cash Balances	50,000					50,000	
<b>Total</b>	<b>100,000</b>			<b>500,000</b>	<b>500,000</b>	<b>1,100,000</b>	

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Prairie Trail Development

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** COR-07-001

**Type** New Construction

**Project Name** The District at Prairie Trail Improvements

**Useful Life** 20 years

**Category** Corridor Development

**Priority** 1 Urgent

Equip In Svc Date

**Total Project Cost: \$4,000,000**

### Description

Town Center street and utility improvements within Prairie Trail. Costs include water mains, sanitary sewers, parking, walks and street improvements according to the Prairie Trail Master Plan.

Phase 1 - Projects include the street system to form the central and south portions of The District, including the street along the lake, the streets to connect to Prairie Trail Parkway and the streets to serve the proposed civic building.

Phase 2 - Projects include the street system to serve the north portion of The District including the connection to SW Magazine Road.

### Justification

The above streets make up the initial street system in the Town Center, which will facilitate the anticipated construction of the public library/civic building on the square, the first phase of restaurants that will front the south lake and other commercial buildings.

Expenditures	2010	2011	2012	2013	2014	Total
Engineering-Design	400,000					400,000
Construction Costs	3,600,000					3,600,000
<b>Total</b>	<b>4,000,000</b>					<b>4,000,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
2,400,000	G.O. Bonds-TIF Abated	1,600,000					1,600,000
<b>Total</b>	<b>Total</b>	<b>1,600,000</b>					<b>1,600,000</b>

### Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Prairie Trail Development

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** COR-07-005

**Type** New Construction

**Project Name** SW Prairie Trail Parkway

**Useful Life** 20 years

**Category** Corridor Development

**Priority** 1 Urgent

Equip In Svc Date

**Total Project Cost: \$1,450,000**

### Description

The extension of SW Prairie Trail Parkway from the current terminus near the west end of the new aquatic center west to SW Irvinedale Drive. Improvements include water main w/hydrants, sanitary sewer, storm sewers grading and 8" PCC paving, The intersection with SW Irvinedale Drive will line up with SW 21st Court on the west side of SW Irvinedale Drive.

### Justification

This section of street is needed in the near future to provide access between SW Irvinedale Drive and the new Cascade Falls Aquatic Center. This street will also serve the proposed elementary school #9 will be built adjacent to the aquatic center in the near future.

Prior	Expenditures	2010	2011	2012	2013	2014	Total
500,000	Engineering-Design	100,000					100,000
	Construction Costs	850,000					850,000
<b>Total</b>	<b>Total</b>	<b>950,000</b>					<b>950,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
500,000	G.O. Bonds-TIF Abated	950,000					950,000
<b>Total</b>	<b>Total</b>	<b>950,000</b>					<b>950,000</b>

### Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Prairie Trail Development

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** COR-08-008

**Type** New Construction

**Project Name** SW Magazine Road Extension

**Useful Life** 20 years

**Category** Corridor Development

**Equip In Svc Date**

**Priority** 3 Important

<b>Description</b>	<b>Total Project Cost: \$5,150,000</b>
Construction of SW Magazine Road from SW Cherry Street west to SW State Street. A four lane boulevard roadway will be constructed including raised medians, adjacent parking, street trail, decorative lighting and associated improvements.	

<b>Justification</b>
SW Magazine Road from Ankeny Blvd. west to SW Cherry Street is under construction at this time, so that it is in place before the new high school is open. The District street system is being developed at this time and will be in place by the end of 2010. This section of SW Magazine Road will run along the north side of The District so it is integral to that development.

<b>Prior</b>	<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
2,350,000	Engineering-Design	350,000					350,000
<b>Total</b>	Construction Costs		2,450,000				2,450,000
	<b>Total</b>	<b>350,000</b>	<b>2,450,000</b>				<b>2,800,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
2,350,000	G.O. Bonds-TIF Abated	2,800,000					2,800,000
<b>Total</b>	<b>Total</b>	<b>2,800,000</b>					<b>2,800,000</b>

<b>Budget Impact/Other</b>

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

**Type** New Construction

**Useful Life** 40 years

**Category** Bridge/Box Culvert

**Priority** 3 Important

## City of Ankeny, Iowa

<b>Project #</b>	<b>BRG-09-002</b>
<b>Project Name</b>	<b>Corporate Woods Drive Railroad Overpass</b>

Equip In Svc Date

<b>Description</b>	<b>Total Project Cost: \$4,800,000</b>
<p>Construction of a four-lane overpass to provide grade separation over the Union Pacific Railroad tracks on Corporate Woods Drive just east of the I-35 interchange. The project scope includes the removal of the existing two-lane at grade crossing and reconstruction of approximately 1/2 mile of Corporate Woods Drive.</p>	

<b>Justification</b>
<p>This existing two-lane PCC alignment of Corporate Woods Drive crosses the Union Pacific Railroad tracks at-grade. This roadway is a direct connection to the new interstate interchange and will function as the main entrance into the proposed Cross Winds development. However, the at-grade crossing of the active railroad tracks will severely limit the access to Cross Winds. Elevating the roadway over the tracks will eliminate the access restriction and provide the necessary vehicular capacity to facilitate the development of Cross Winds. This project is anticipated to have a regional impact since the completed project will also serve the open areas located to the east of Cross Winds. A TCSP Grant application will be submitted for partial funding of this project.</p>

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Engineering-Design	660,000					660,000
Construction Costs				4,000,000		4,000,000
Land/ROW Acquisition			140,000			140,000
<b>Total</b>	<b>660,000</b>		<b>140,000</b>	<b>4,000,000</b>		<b>4,800,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
800,000	G.O. Bonds-TIF Abated				4,000,000		4,000,000
<b>Total</b>	<b>Total</b>				<b>4,000,000</b>		<b>4,000,000</b>

<b>Budget Impact/Other</b>

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

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

**Type** Maintenance

**Useful Life** 20 years

**Category** Streets and Alleys

**Priority** 2 Very Important

Equip In Svc Date

**Total Project Cost: \$4,638,000**

**Description**

The Annual PCC Street Patching Program includes individual PCC patches and intake repairs throughout the city to maintain the city's existing infrastructure. The program includes various full-depth patches and intake replacements as determined by Public Works staff. The engineering for these projects is completed in-house.

The FY 2010 PCC Street Patching Program will focus on the northwest quadrant of the city, There are limited patches remaining in the southeast and southwest sections of Ankeny that will also be completed with this year's program.

Included in the 2012 program is replacing street and PCC patching around the SW State St railroad crossing near John Deere. This project includes grant funding from the DOT.

**Justification**

The Annual PCC Street Patching Program eliminates the worst street defects within the city street system. It is critical to maintain the older interior city streets as they deteriorate over time.

Prior	Expenditures	2010	2011	2012	2013	2014	Total
2,000,000	Construction Costs	500,000	500,000	638,000	500,000	500,000	2,638,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>638,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,638,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
2,000,000	FHWA/IDOT Grants			138,000			138,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>638,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,638,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**City of Ankeny, Iowa**

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** STR-00-002

**Type** Maintenance

**Project Name** Annual Asphalt Street Resurfacing Project

**Useful Life** 20 years

**Category** Streets and Alleys

**Priority** 2 Very Important

Equip In Svc Date

**Total Project Cost: \$3,070,000**

Description
2010 Project: Paving of the SW Oralabor Road Frontage Drive (Mel Ray Park Entrance) = \$55,000
2011 Project: Overlay of NW Irvinedale Drive between NW 18th and NW 36th = \$470,000
2012 Program: Overlay SE Four Mile Drive from SE Oralabor Road to SE Magazine Road extended = \$465,000
2013 Program: Overlay of NE 54th Street from Ankeny Blvd. to NE Delaware Avenue = \$454,000
2014 Program: S Ankeny Boulevard Rec Trail Overlay, SW Walnut Street to east DMACC entrance = \$116,000
2014 Program: Overlay of SW Polk City Drive = \$350,000
2015 Program: Overlay of SW Ankeny Road = \$360,000

Justification
The major asphalt streets within the central areas of Ankeny have been resurfaced in recent history. Public Works proposes to substantially increase the amount of reconstruction and maintenance on PCC streets in the city. This limited program is recommended to keep the asphalt roadways sufficient or upgraded.
The estimated costs shown below reflect recent increases in the unit prices for asphalt work. These costs could be reduced in future years, once the current round of federal stimulus projects are completed.

Prior	Expenditures	2010	2011	2012	2013	2014	Total	Future
800,000	Construction Costs	55,000	470,000	465,000	454,000	466,000	1,910,000	360,000
<b>Total</b>	<b>Total</b>	<b>55,000</b>	<b>470,000</b>	<b>465,000</b>	<b>454,000</b>	<b>466,000</b>	<b>1,910,000</b>	<b>Total</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total	Future
800,000	G.O. Bonds	55,000	470,000	465,000	454,000	466,000	1,910,000	360,000
<b>Total</b>	<b>Total</b>	<b>55,000</b>	<b>470,000</b>	<b>465,000</b>	<b>454,000</b>	<b>466,000</b>	<b>1,910,000</b>	<b>Total</b>

Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

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

**Type** Maintenance

**Useful Life** 20 years

**Category** Streets and Alleys

**Priority** 1 Urgent

Equip In Svc Date

**Total Project Cost: \$900,000**

**Description**

Add this new program to the CIP to address the need for better maintainance of the existing street infrastructure. The preservation will consist of re-sealing pavement joints and crack filling on selected snow route streets and local streets. Targeted streets for FY 2009 include:

NW Ash Drive, from Wagner to 18th = 7,500' = \$16,500 (includes backer rod removal)  
 SE Sharon Drive from 4th to 10th = 8,500' = \$12,800  
 SE Magazine from Hwy 69 to Trilein = 9,200' = \$13,800  
 SW Des Moines Street from Ordnance to Frist = 9,800' = \$14,700  
 SW 3rd Street from Westview to Maple = 10,700' = \$16,000  
 SE 3rd Street from Hwy 69 to Sharon = 4,900' = \$7,400  
 NW 10th / NW 14th from Cedarwood to State = 17,700' = \$26,500  
 NW Cedarwood from 9th to 17th = 2,300' = \$12,500  
 NW Abilene/Hickory from 10th to Linden = 5,300' = \$8,000  
 NW 12th / Beechwood from Greenwood to 17th = 7,200' = \$10,800  
 NE 9th St from Hwy 69 to Trilein = 10,100' = \$15,000  
 TOTAL FY 2009 ESTIMATE = \$154,000

Potential Streets for FY 2010: SW State Street and NE Georgetown Boulevard = \$200,00

**Justification**

Public Works currently completes crack sealing on our ACC streets and a limited quantity of PCC streets as weather and workload allows in the fall and spring. The recent pavement management study that was completed on our snow route streets included a strong recommendation that the city undertake an expanded crack sealing program by utilizing a contractor in addition to our in-house program. As the study summarized, undertaking this preservation program will address the need for protecting pavement joints from damage caused by salt and salt brine applications during snow removal operations. It will also maintain the life of local and collector street pavements by keeping moisture out of the pavement subgrade.

Prior	Expenditures	2010	2011	2012	2013	2014	Total
150,000	Construction Costs	150,000	150,000	150,000	150,000	150,000	750,000
<b>Total</b>	<b>Total</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>750,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
150,000	G.O. Bonds	150,000	150,000	150,000	150,000	150,000	750,000
<b>Total</b>	<b>Total</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>750,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**City of Ankeny, Iowa**

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

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

**Type** Improvement

**Useful Life** 40 years

**Category** Streets and Alleys

**Priority** 2 Very Important

Equip In Svc Date

**Total Project Cost: \$5,052,000**

Description				
Street pavement removal and replacements on the following streets. Includes new street pavement, new driveway aprons, minor utility repairs, new storm intakes and limited storm sewer improvements:				
STREET	FROM	TO	COST EST	YEAR
NW 9th Street	NW Greenwood Street	NW Beechwood St	\$515,000	2010
SE Peterson Drive	SE Sharon Drive	SE Trilein Drive	\$472,000	2011

**Justification**

This program was initiated to meet the increasing need to improve the condition of the city's existing interior street system. The older sections of Ankeny have streets that are deteriorating at an advanced rate, given the age of the PCC pavements. Many of the interior streets are approximately the same age, and have serious defects such as cracks, spalls, joint failures, poor subgrade, etc. which results in a rough driving surface. The streets that are targeted for replacement by this program have been identified by Public Works as having the poorest pavement conditions. Many of these streets were found to have a low PCI rating in the recent Pavement Management Study.

Prior	Expenditures	2010	2011	2012	2013	2014	Total	Future
970,000	Construction Costs	515,000	472,000	417,000	423,000	425,000	2,252,000	1,830,000
<b>Total</b>	<b>Total</b>	<b>515,000</b>	<b>472,000</b>	<b>417,000</b>	<b>423,000</b>	<b>425,000</b>	<b>2,252,000</b>	<b>Total</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total	Future
970,000	Capital Project Cash Balances	155,000					155,000	1,830,000
	FHWA/IDOT Grants	360,000					360,000	
	G.O. Bonds		472,000	417,000	423,000	425,000	1,737,000	
<b>Total</b>	<b>Total</b>	<b>515,000</b>	<b>472,000</b>	<b>417,000</b>	<b>423,000</b>	<b>425,000</b>	<b>2,252,000</b>	<b>Total</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

**Type** Improvement

**Useful Life** 20 years

**Category** Streets and Alleys

**Priority** 3 Important

## City of Ankeny, Iowa

**Project #** STR-08-001  
**Project Name** South Ankeny Blvd. Improvements - 1st to Oralabor

Equip In Svc Date

**Description** **Total Project Cost: \$2,100,000**  
 Milling and 4" asphalt overlay of the highway by the Iowa DOT. Includes isolated curb, intake and driveway repairs / replacements.

**Justification**  
 This project is funded by the \$1,000,000 Stimulus award to the city, along with Iowa DOT program funding. It will be completed by the Iowa DOT in 2010.

Expenditures	2010	2011	2012	2013	2014	Total
Construction Costs	2,100,000					2,100,000
<b>Total</b>	<b>2,100,000</b>					<b>2,100,000</b>

Funding Sources	2010	2011	2012	2013	2014	Total
FHWA/IDOT Grants	2,100,000					2,100,000
<b>Total</b>	<b>2,100,000</b>					<b>2,100,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** STR-08-002  
**Project Name** NE 36th St/I-35 Interchange Project

**Type** Improvement

**Useful Life** 40 years

**Category** Streets and Alleys

**Priority** 1 Urgent

Equip In Svc Date

<b>Description</b>	<b>Total Project Cost: \$27,200,000</b>
Construction of new interchange at NE 36th Street. Includes design, property acquisitions and full construction.	

<b>Justification</b>
This interchange is needed to serve the expanding northeast portion of Ankeny, and to relieve the overloading conditions present on adjacent I-35 and at the First Street Interchange.
The total estimated project cost of \$28.1 million does not reflect a \$3.5 million expense for the city to help the DOT relocate the rest area.
Approximately \$900,000 of the \$1,850,000 estimated engineering fees have already been allocated / expended at this time, and is not reflected in the costs below.

Expenditures	2010	2011	2012	2013	2014	Total
Engineering-Design	475,000					475,000
Engineering-Construction Servi		475,000				475,000
Construction Costs		10,000,000	15,350,000			25,350,000
Land/ROW Acquisition	900,000					900,000
<b>Total</b>	<b>1,375,000</b>	<b>10,475,000</b>	<b>15,350,000</b>			<b>27,200,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total	Future
1,375,000	FHWA/IDOT Grants			15,100,000			15,100,000	4,095,000
<b>Total</b>	MPO/STP Grants			1,630,000			1,630,000	<b>Total</b>
	Other Grants			5,000,000			5,000,000	
	<b>Total</b>			<b>21,730,000</b>			<b>21,730,000</b>	

<b>Budget Impact/Other</b>

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** STR-09-006

**Type** Improvement

**Project Name** NW State Street Improvements

**Useful Life** 40 years

**Category** Streets and Alleys

**Equip In Svc Date**

**Priority** 2 Very Important

### Description

**Total Project Cost: \$390,000**

The limits of this project are from West First Street north to NW 10th Street. The project concept includes the elimination of the parking along with west side of the street so that this section of State Street can be utilized in the future as a four lane roadway. Associated improvements that are included with this project:

- Elimination of the parking on the west side of the street from NW 9th St. to NW 10th St. (2010).
- Construction of a right turn lane on the west leg of the intersection of NW State Street and NW 9th Street. (2010)
- Drainage improvements near the south edge of the Faith Baptist property to eliminate a problem with standing water in the area. (2010)
- Interim installation of traffic control for the southbound lane reduction. (2010)
- Removal of the parking on the west side of the street from West First Street to NW 9th Street.

Construction of a parking lot or lots on the Faith Baptist property.

- Traffic signals at the intersection of NW State Street and NW 9th Street.
- Construction of an 8' sidewalk along the west side of the street.

### Justification

Please refer to the memo. The traffic counts on NW State Street have increased substantially since 1999. The recommended approach for this project includes interim improvements in 2010, with the more substantial improvements recommended for completion after additional increases in traffic are found. It is anticipated that this will hinge on the opening of the new second high school to the north of this location.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Construction Costs	50,000		340,000			390,000
<b>Total</b>	<b>50,000</b>		<b>340,000</b>			<b>390,000</b>

<b>Prior</b>	<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
325,000	G.O. Bonds			65,000			65,000
<b>Total</b>	<b>Total</b>			<b>65,000</b>			<b>65,000</b>

### Budget Impact/Other

**Capital Improvement Plan**  
**City of Ankeny, Iowa**

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** STR-10-002

**Type** Improvement

**Project Name** SW Southlawn Drive Utility and Paving Replacement

**Useful Life** 40 years

**Category** Streets and Alleys

**Priority** 3 Important

Equip In Svc Date

**Total Project Cost: \$2,583,000**

### Description

Removal and replacement of the existing deteriorated sanitary sewers and water mains along SW Southlawn Drive/Circle and SW Logan Street between South Ankeny Blvd. and SW 3rd Street. The project will also include street pavement removal and replacement, storm sewer improvements, sidewalk replacements and utility service replacements. This project will be completed in three phases due to the size of the overall project.

### Justification

The existing water mains under SW Southlawn Drive, SW Southlawn Circle and SW Logan Street are 4" ductile iron lines that are old, have limited capacity and do not provide sufficient water pressure. The existing sanitary sewers were recently inspected and found to have numerous defects. Replacing these utilities at this time will provide better utility service to the adjacent residents and will decrease ongoing maintenance costs.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Engineering-Design	100,000					100,000
Construction Costs		600,000	600,000	600,000	683,000	2,483,000
<b>Total</b>	<b>100,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>683,000</b>	<b>2,583,000</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Capital Project Cash Balances	100,000	600,000	600,000	600,000	683,000	2,583,000
<b>Total</b>	<b>100,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>683,000</b>	<b>2,583,000</b>

### Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** STR-10-003

**Type** Improvement

**Project Name** Arterial Street Landscaping Improvements

**Useful Life** 20 years

**Category** Streets and Alleys

**Equip In Svc Date**

**Priority** 4 Less Important

**Total Project Cost: \$1,250,000**

### Description

Landscaping improvements to the following three street sections. Each of these streets were recently constructed/reconstructed as urban arterial streets with raised medians:

- 1) North Ankeny Blvd. from 18th Street to 36th Street (2010)
- 2) SE Oralabor Road from SE Convenience Blvd to SE Fourmile Drive (2011)
- 3) West First Street from NW Irvinedale Drive to Highway 415 (2012)

### Justification

The attractiveness of each of these three projects will be greatly enhanced by the installation of median plantings in landscaping beds. The North Ankeny Blvd. project should also have street trees planted in the parking areas to match the landscape theme on the street to the south of this project. The scope and concept of the landscaping improvements for each of these three streets has not been finalized at this time, so the costs shown below should be regarded as order-of-magnitude only at this time. The grant funding is anticipated from the STP-TE program, but is not acquired at this time.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Engineering-Design	35,000	35,000	35,000	35,000	35,000	175,000
Construction Costs	215,000	215,000	215,000	215,000	215,000	1,075,000
<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>1,250,000</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
G.O. Bonds	250,000	250,000	250,000	250,000	250,000	1,250,000
<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>1,250,000</b>

### Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

**Type** Improvement

**Useful Life** 40 years

**Category** Bridge/Box Culvert

**Priority** 3 Important

## City of Ankeny, Iowa

<b>Project #</b>	<b>STR-10-005</b>
<b>Project Name</b>	<b>NE Delaware Avenue Trail/Bridge</b>

Equip In Svc Date

<b>Description</b>	<b>Total Project Cost: \$250,000</b>
Construction of an 8-foot sidewalk along the west side of NE Delaware Avenue from NE 18th Street to NE 22nd Street. Also includes the construction of a pedestrian bridge across Four Mile Creek.	

<b>Justification</b>
The SRTS Study included numerous minor improvements recommended for implementation to increase the safety of students walking to school. The above improvement was recommended to provide a walking route to Northeast Elementary School where there is no route today. A SRTS infrastructure grant has been submitted to the Iowa DOT. If this grant is awarded, 100% of the project construction cost would be covered by the grant.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Construction Costs	250,000					250,000
<b>Total</b>	<b>250,000</b>					<b>250,000</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
FHWA/IDOT Grants	250,000					250,000
<b>Total</b>	<b>250,000</b>					<b>250,000</b>

<b>Budget Impact/Other</b>

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** STR-11-004  
**Project Name** East 1st St/I-35 Interchange

**Type** Improvement

**Useful Life** 40 years

**Category** Streets and Alleys

**Priority** 2 Very Important

Equip In Svc Date

**Total Project Cost: \$35,296,000**

**Description**  
 Construction of a new interchange on Interstate 35 at East First Street. Includes design, acquisitions, and full construction of a new partial cloverleaf interchange.

**Justification**  
 The Federal Highway Administration has approved the City's Interchange Justification Report for reconfiguration of the Interstate 35 roadway system between NE 36th Street and E 1st Street. A portion of the IJR shows the need to reconstruct and reconfigure the I-35 Interchange at E 1st Street in Ankeny. The reconstruction of this interchange would come after the construction of a new interchange at NE 36th Street. This project allows for detailed design of the E 1st Street Interchange reconstruction with the anticipation of receiving additional federal funds for the actual reconstruction in the future.  
 Approximately \$370,000 of the \$2,004,000 engineering fees has already been expended at this time, so this amount is not reflected in the costs below. Total project estimate = \$35,300,000

Expenditures	2010	2011	2012	2013	2014	Total	Future
Engineering-Design	500,000	500,000	1,000,000			2,000,000	33,296,000
<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>1,000,000</b>			<b>2,000,000</b>	<b>Total</b>

Funding Sources	2010	2011	2012	2013	2014	Total	Future
G.O. Bonds-TIF Abated	500,000	500,000	1,000,000			2,000,000	33,296,000
<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>1,000,000</b>			<b>2,000,000</b>	<b>Total</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**City of Ankeny, Iowa**

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

# Capital Improvement Plan

Data in Year 2010

**Department** Public Works

## City of Ankeny, Iowa

**Contact** City Engineer

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

**Type** New Construction

**Useful Life** 20 years

**Category** Traffic Control

**Priority** 3 Important

Equip In Svc Date

**Total Project Cost: \$2,775,000**

**Description**

This program includes various improvements to the City's traffic signal system. Projects for this program range from installation of traffic signals, video detection and battery backup systems, and fiber optic cable installation.

Intersections identified as candidates for signals based on public concern, accident history, and traffic volumes:

- 1) South Ankeny Blvd. and SE Shurfine Drive (warrants met, part of S& A design for Magazine and Hwy 69)
- 2) NW 18th Street and NW State Street (anticipated, for the second high school location)
- 3) SE Oralabor Road and Peachtree (recent check shows warrants still not met, many requests)
- 4) NW State Street and NW 9th Street (public requests received, warrants not met, anticipated with HS #2)
- 5) SE Corporate Woods Drive and SE Delaware Avenue (industrial location, warrants still not met)
- 6) NE 18th Street and NE Delaware Avenue (permanent installation to replace temporary signals)
- 7) SW State Street and SW White Birch Drive (development driven)

**Justification**

These are preliminary locations based on current information. It can be assumed that U-Step funding can be acquired for the signals that are located on state highways (#1, and #3) but funding cannot be secured until warrants are met and the preliminary design is underway.

Prior	Expenditures	2010	2011	2012	2013	2014	Total
1,275,000	Planning Estimate	250,000	250,000	300,000	350,000	350,000	1,500,000
<b>Total</b>	<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>300,000</b>	<b>350,000</b>	<b>350,000</b>	<b>1,500,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
1,275,000	G.O. Bonds	250,000	250,000	300,000	350,000	350,000	1,500,000
<b>Total</b>	<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>300,000</b>	<b>350,000</b>	<b>350,000</b>	<b>1,500,000</b>

**Budget Impact/Other**

**Capital Improvement Plan**  
**City of Ankeny, Iowa**

Data in Year 2010

**Department** Public Works

**Contact** City Engineer

# Capital Improvement Plan

Data in Year 2010

**Department** Sewer Utility  
**Contact** Municipal Utilities Director  
**Type** Maintenance  
**Useful Life** 40 years  
**Category** Sanitary Sewers  
**Priority** 2 Very Important

## City of Ankeny, Iowa

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

Equip In Svc Date

Description	Total Project Cost: \$3,819,500
<p>Annual allocation of funds for the repair and/or replacement of aging sanitary sewer main. This can be work on existing mains due to known structural problems from televising, or could be needed replacement and repairs under city streets that are being replaced through the street reconstruction program.</p> <p>1. SW Goodwin Street Improvements - \$467,500 (2009) - Refer to separate project form for project information.                      2. Sanitary Sewer Slip Lining Program - \$30,000 (2012)                      The engineering for these projects would be completed by in-house engineering staff.</p>	

Justification
<p>The projects in this program are identified by visual inspection of the sanitary sewer manholes and pipes by city staff or investigations resulting from a resident complaint. The city staff is continually inspecting portions of the sanitary sewer system to monitor the condition and detect parts of the system that are in need of repair. The projects in this program are driven by the need to reduce inflow &amp; infiltration and the concept that it is better to take care of a problem before it negatively impacts someone. The SW Goodwin Street project contains existing sanitary sewers that were identified as needing to be replaced, so this annual program will be partially funding these projects. A future slip lining project will be completed when enough segments of the sanitary sewer system have been identified to put together a good project.</p>

Prior	Expenditures	2010	2011	2012	2013	2014	Total
1,819,500	Planning Estimate	400,000	400,000	400,000	400,000	400,000	2,000,000
<b>Total</b>	<b>Total</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>2,000,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
1,819,500	G.O. Bonds-Sewer Abated	400,000	400,000	400,000	400,000	400,000	2,000,000
<b>Total</b>	<b>Total</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>400,000</b>	<b>2,000,000</b>

Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Sewer Utility  
**Contact** Municipal Utilities Director  
**Type** New Construction  
**Useful Life** 40 years  
**Category** Sanitary Sewers  
**Priority** 2 Very Important

## City of Ankeny, Iowa

**Project #** SNS-05-002  
**Project Name** Rock Creek Lateral Sewers

Equip In Svc Date

**Description** **Total Project Cost: \$8,448,000**  
 This project was formerly known as the Country Club Sanitary Sewer Project. The project was expanded to include the Golfview Acres Sanitary Sewer Project and other unsewered areas west of Irvinedale Drive. This project is proposed for construction in 2010, in conjunction with Polk County's Rock Creek Trunk Sewer

**Justification**

Prior	Expenditures	2010	2011	2012	2013	2014	Total
2,103,000	Engineering-Construction Servi	342,000					342,000
	Construction Costs	6,003,000					6,003,000
<b>Total</b>	<b>Total</b>	<b>6,345,000</b>					<b>6,345,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
2,500,000	Sewer Revenue Bonds/SRF	5,948,000					5,948,000
<b>Total</b>	<b>Total</b>	<b>5,948,000</b>					<b>5,948,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Sewer Utility

## City of Ankeny, Iowa

**Contact** Municipal Utilities Director

**Project #** SNS-10-001

**Type** Improvement

**Project Name** SE Area Sanitary Sewer Improvements

**Useful Life** 40 years

**Equip In Svc Date**

**Category** Sanitary Sewers

**Priority** 2 Very Important

Description	Total Project Cost: \$2,600,000
<p>This project involves a relief sewer along SE Uehlar Drive from SE Delaware to SE Trilein Drive. A branch of the sewer would extend north on Trilein Drive to SE Third Street. A second branch of the sewer would extend through the intersection of SE Peterson and SE Sharon.</p>	

Justification
<p>This project addresses capacity issues in relationship to sewer backups experienced in 2007 and 2008.</p>

Expenditures	2010	2011	2012	2013	2014	Total
Engineering-Design	379,500					379,500
Construction Costs	520,500	800,000	800,000	100,000		2,220,500
<b>Total</b>	<b>900,000</b>	<b>800,000</b>	<b>800,000</b>	<b>100,000</b>		<b>2,600,000</b>

Funding Sources	2010	2011	2012	2013	2014	Total
Sewer Revenue Bonds/SRF	900,000	800,000	800,000	100,000		2,600,000
<b>Total</b>	<b>900,000</b>	<b>800,000</b>	<b>800,000</b>	<b>100,000</b>		<b>2,600,000</b>

Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Sewer Utility  
**Contact** Municipal Utilities Director  
**Type** Improvement  
**Useful Life** 40 years  
**Category** Sanitary Sewers  
**Priority** 2 Very Important

## City of Ankeny, Iowa

**Project #** SNS-10-002  
**Project Name** NE 54th Street Sanitary Sewer Extension

Equip In Svc Date

**Description** **Total Project Cost: \$245,000**  
 Installation of an 8" sanitary sewer along the south side of NE 54th Street from the existing end of the sanitary sewer at St. James Place west to North Ankeny Blvd. This sewer alignment will run across the existing older homes that were constructed before this area was annexed into Ankeny.

**Justification**  
 The areas to the south and east of this location have been served with sewer as part of the subdivision developments in those areas (North Prairie Bend and St. James Place). This isolated area contains homes that are on large rural estate lots and are currently served by private septic systems. The costs for this project cannot be offset by connection fees since the adjacent property owners previously signed an annexation agreement that included a provision allowing sewer hook-ups without cost. It is assumed that this project would be engineered in-house.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Construction Costs	215,000					215,000
Land/ROW Acquisition	30,000					30,000
<b>Total</b>	<b>245,000</b>					<b>245,000</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Sewer Revenue Bonds/SRF	245,000					245,000
<b>Total</b>	<b>245,000</b>					<b>245,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Stormwater Utility  
**Contact** Municipal Utilities Director  
**Type** Maintenance  
**Useful Life** 20 years  
**Category** Stormwater Facilities  
**Priority** 2 Very Important

## City of Ankeny, Iowa

**Project #** STM-00-001  
**Project Name** Annual Stormwater Facility Improvement Program

Equip In Svc Date

<b>Description</b>	<b>Total Project Cost: \$2,000,000</b>
Annual allocation of capital improvement funds for repair and replacement of storm water structures, channels, etc:  The engineering for these projects would be completed by in-house engineering staff.	

<b>Justification</b>
These projects are from public concerns or ongoing storm water problems within the City. The projects are either in the street right-of-way, in city easements or on private property, but affect multiple residents.

Prior	Expenditures	2010	2011	2012	2013	2014	Total
750,000	Planning Estimate	250,000	250,000	250,000	250,000	250,000	1,250,000
<b>Total</b>	<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>1,250,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
750,000	Stormwater Cash Balances	250,000	250,000	250,000	250,000	250,000	1,250,000
<b>Total</b>	<b>Total</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>1,250,000</b>

<b>Budget Impact/Other</b>

# Capital Improvement Plan

Data in Year 2010

**Department** Stormwater Utility  
**Contact** Municipal Utilities Director  
**Type** Improvement  
**Useful Life** 40 years  
**Category** Stormwater Facilities  
**Priority** 3 Important

## City of Ankeny, Iowa

**Project #** STM-10-001  
**Project Name** SE 4th and SE Wanda Area Storm Sewer Improvements

Equip In Svc Date

**Description** **Total Project Cost: \$4,200,000**  
 This project includes the construction of a large diameter storm sewer along SE Uehlar Drive from SE Delaware Avenue to SE Trilein Drive. A smaller storm sewer is to be extended into the SE 4th and SE Wanda area. A storm sewer is also to be constructed along SE Trilein Drive from SE Peterson to SE Lawrence Drive.

**Justification**  
 This project will intercept street runoff at SE Trilein Drive and collect it in storm sewers and convey it to the open drainage way east of SE Delaware Avenue. This is intended to reduce the overland flow that is causing flooding issues on private property. The project is split into phases, and assumes construction in conjunction with the SE Area Sanitary Sewer Improvements.

Expenditures	2010	2011	2012	2013	2014	Total
Engineering-Design	487,400					487,400
Construction Costs	1,812,600	1,100,000	100,000	700,000		3,712,600
<b>Total</b>	<b>2,300,000</b>	<b>1,100,000</b>	<b>100,000</b>	<b>700,000</b>		<b>4,200,000</b>

Funding Sources	2010	2011	2012	2013	2014	Total
Stormwater Revenue Bonds/S	2,300,000	1,100,000	100,000	700,000		4,200,000
<b>Total</b>	<b>2,300,000</b>	<b>1,100,000</b>	<b>100,000</b>	<b>700,000</b>		<b>4,200,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Stormwater Utility

## City of Ankeny, Iowa

**Contact** City Engineer

**Project #** STM-10-002

**Type** Improvement

**Project Name** Westwinds Ravine Stabilization

**Useful Life** 40 years

**Category** Stormwater Facilities

**Equip In Svc Date**

**Priority** 2 Very Important

**Total Project Cost: \$4,000,000**

### Description

Major stabilization project in the ravine system behind the homes in the Westwinds subdivision. Includes the removal of heavy woods in the ravines, installation of sheet pile let-down structures, embankment construction, storm sewer extensions at 12 locations, other stabilization measures, and surface restoration. Extensive permanent and temporary easements will need to be obtained from approximately 60 individual residences to complete the project.

### Justification

The heavy rainfall during 2008 caused serious erosion damage to the ravines within Westwinds. The steep channel side slopes are unstable in certain areas. A number of homes are located close to the ravine slopes. Private property damage has already occurred due to side slope erosion. Large-scale property damage to some homes could be possible with additional deterioration of the ravines. Public Works is currently working on a concept to possibly complete this project in phases.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Engineering-Design	400,000					400,000
Construction Costs	1,575,000	2,000,000				3,575,000
Land/ROW Acquisition	25,000					25,000
<b>Total</b>	<b>2,000,000</b>	<b>2,000,000</b>				<b>4,000,000</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Stormwater Revenue Bonds/S	2,000,000	2,000,000				4,000,000
<b>Total</b>	<b>2,000,000</b>	<b>2,000,000</b>				<b>4,000,000</b>

### Budget Impact/Other

# Capital Improvement Plan

Data in Year 2010

**Department** Stormwater Utility  
**Contact** Municipal Utilities Director  
**Type** Improvement  
**Useful Life** 40 years  
**Category** Stormwater Facilities  
**Priority** 4 Less Important

## City of Ankeny, Iowa

**Project #** STM-12-001  
**Project Name** Trib B to Fourmile Creek Channel Improvements

Equip In Svc Date

**Description** **Total Project Cost: \$322,740**  
 Stream restoration to repair and stabilize the existing creek channel using a variety of techniques

**Justification**  
 This project addresses severe erosion that has occurred in the stream channel. An application for I-Jobs funding is in process. We should know before the end of December, 2009 if we are successful.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Engineering-Design	63,588					63,588
Construction Costs		254,352				254,352
Land/ROW Acquisition	4,800					4,800
<b>Total</b>	<b>68,388</b>	<b>254,352</b>				<b>322,740</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
IDNR/REAP/RIG Grants		100,000				100,000
Stormwater Revenue Bonds/S	68,388	154,352				222,740
<b>Total</b>	<b>68,388</b>	<b>254,352</b>				<b>322,740</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Water Utility  
**Contact** Municipal Utilities Director  
**Type** Maintenance  
**Useful Life** 40 years  
**Category** Water Mains  
**Priority** 2 Very Important

## City of Ankeny, Iowa

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

Equip In Svc Date

**Description** **Total Project Cost: \$4,000,000**  
 The replacement of deteriorated water main in several locations around the city where known problems exist.  
 1. SW Goodwin Street Improvements - \$467,500 (2009) - Refer to separate project form for project information.  
 3. The replacement of 4" water mains in the system.  
 The engineering for these projects would be completed by in-house engineering staff.

**Justification**  
 The projects in this program are identified by targeting the replacement of 4" water main in the water distribution system. This will help to improve fire flows and update aging infrastructure in the older parts of the city. The timing of the replacement of these water mains is tied to the condition of the street and sanitary sewer infrastructure in the same area. The SW Goodwin Street project contains existing 4" water main that needs to be replaced, so this annual program will be partially funding these projects.

Prior	Expenditures	2010	2011	2012	2013	2014	Total
1,500,000	Planning Estimate	500,000	500,000	500,000	500,000	500,000	2,500,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,500,000</b>

Prior	Funding Sources	2010	2011	2012	2013	2014	Total
1,500,000	G.O. Bonds-Water Abated	500,000	500,000	500,000	500,000	500,000	2,500,000
<b>Total</b>	<b>Total</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,500,000</b>

**Budget Impact/Other**

# Capital Improvement Plan

Data in Year 2010

**Department** Water Utility  
**Contact** Municipal Utilities Director  
**Type** Improvement  
**Useful Life** 40 years  
**Category** Water Mains  
**Priority** 3 Important

## City of Ankeny, Iowa

**Project #** WTM-10-001  
**Project Name** South Ankeny Blvd. Feeder Main

Equip In Svc Date

**Description** **Total Project Cost: \$256,900**  
 Extension of a 16-inch diameter water main between SE Magazine Road and SE Shurfine Drive.

**Justification**  
 This project fills in a gap in the feeder main up S. Ankeny Blvd. and will improve reliability and fire flows.

<b>Expenditures</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Engineering-Design	38,500					38,500
Construction Costs	215,900					215,900
Legal-General/Spec. Assessm	2,500					2,500
<b>Total</b>	<b>256,900</b>					<b>256,900</b>

<b>Funding Sources</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
Water Revenue Bonds/SRF	256,900					256,900
<b>Total</b>	<b>256,900</b>					<b>256,900</b>

**Budget Impact/Other**