



ANKENY CITY COUNCIL

Council Action Planning Session

Monday, November 13, 2023

5:30 PM

Fire Station Headquarters

120 NW Ash Drive, Ankeny, Iowa

Mark Holm, Mayor

Bobbi Bentz, Mayor Pro-Tem

Council Members: Jeff Perry, Joe Ruddy, Todd Shafer, Kelly Stearns

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Anyone seeking assistance in communicating with the City should contact Relay Iowa at 1-800-735-2942 (TDY), or 1-800-735-2943 (Voice).

A. Use the following link to join electronically:

Join Zoom Meeting

<https://zoom.us/j/97312992966?pwd=OEFocWZGS0NYUmtnVHNxcWZFak9Pd09>

To Call in: +1 312 626 6799

Meeting ID: 973 1299 2966

Passcode: 1234

B. 2024-2028 Capital Improvement Program (CIP): Project and Financing Discussion (Parks & Recreation and Public Works)

C. Adjournment

No official action will take place during this planning session.



ANKENY CITY COUNCIL

City Council Action Planning Session

November 13, 2023
5 : 30 PM

Mark Holm, Mayor
Bobbi Bentz, Mayor Pro tem

Council Members: Jeff Perry, Joe Ruddy, Todd Shafer, Kelly Stearns



ORIGINATING DEPARTMENT:
City Manager

COUNCIL GOAL:
Exercise Financial Discipline

ACTION REQUESTED:

LEGAL:

SUBJECT:

2024-2028 Capital Improvement Program (CIP): Project and Financing Discussion (Parks & Recreation and Public Works)

EXECUTIVE SUMMARY:

FISCAL IMPACT: **No**

CITY MANAGER'S RECOMMENDATIONS:

PREVIOUS COUNCIL/COMMISSION/BOARD ACTION(S):

PUBLIC OUTREACH EFFORTS:

ACTION REQUESTED:

ADDITIONAL INFORMATION:

ATTACHMENTS:

Click to download

 [CIP Packet](#)

History

Time

Who

Approval

11/9/2023 2:14 PM

City Clerks Office

Yes

2024 CIP Projects by Funding Source

2024 CIP Projects by Funding Source			General Obligation Bonds				Revenue Bonds		Miscellaneous					
Project	Project #	2024	Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 820,000	\$ 720,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000									350,000		
Annual PCC Street Patching Program	STR-00-001	1,650,000	1,650,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	475,000	375,000							100,000				
Annual Pavement Preservation Program	STR-00-003	700,000	700,000											
Annual Street Replacement Program	STR-00-004	1,875,000	875,000									1,000,000		
Annual Traffic Signal Improvement Program	TRF-00-001	1,604,000	1,514,000											90,000
Community Entrance Signs	BLD-18-002	50,000								48,000	2,000			
Fire Station No. 4	BLD-20-002	6,810,000	210,000										6,600,000	
Public Works Satellite Salt Storage Facility	BLD-21-002	50,000								50,000				
Otter Creek Golf Course Clubhouse Renovations	BLD-24-001	200,000								200,000				
East of Interstate 35 Land Acquisition	BLD-24-002	330,000								66,000		99,000	165,000	
NE 62nd Street RCB Culvert for Four Mile Creek Tributary	BRG-23-001	700,000	700,000											
High Trestle Trail Experience Park	PRK-22-005	924,000								631,000	293,000			
NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street	STR-14-006	5,850,000	4,100,000						1,750,000					
NW 36th Street and NW Weigel Drive Asphalt Overlay	STR-19-004	2,450,000	2,300,000						150,000					
SW Oralabor Road and SW Edgewood Lane Intersection Improvements	STR-19-006	250,000	50,000						150,000	50,000				
SW Oralabor Road and SW State Street Intersection Improvements	STR-20-008	3,425,000							826,248	2,598,752				
NW Irvinedale Drive and NW 18th Street Intersection Improvements	STR-21-004	375,000	375,000											
West 1st Street Widening and Improvements - Phase 2	STR-22-003	400,000			400,000									
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	500,000	465,000						35,000					
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	150,000	150,000											
SW Magazine Road and SW State Street Intersection Improvements	STR-23-006	475,000	475,000											
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	200,000	200,000											
SE Creekview Drive Extension	STR-24-003	2,025,000							925,000					1,100,000
Fiber Optic Network Upgrade	TRF-23-001	650,000	650,000											
SE Corporate Woods Drive and SE Crosswinds Drive Traffic Signal	TRF-23-002	485,000	405,000											80,000
		\$ 33,998,000	\$ 16,139,000	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 3,836,248	\$ 3,843,752	\$ 295,000	\$ 1,449,000	\$ 6,765,000	\$ 1,270,000

2025 CIP Projects by Funding Source

			General Obligation Bonds				Revenue Bonds		Miscellaneous					
Project	Project #	2025	Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 470,000	\$ 370,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000									350,000		
Annual PCC Street Patching Program	STR-00-001	1,675,000	1,675,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	750,000	750,000											
Annual Street Replacement Program	STR-00-004	1,675,000	1,675,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,025,000	975,000						50,000					
Community Entrance Signs	BLD-18-002	100,000									100,000			
Fire Station No. 4	BLD-20-002	1,370,000											1,370,000	
Public Works Satellite Salt Storage Facility	BLD-21-002	475,000								40,000		435,000		
Public Works Maintenance Facility Expansion	BLD-24-003	1,000,000				1,000,000								
NE 18th Street Bridge over Interstate 35	BRG-22-002	475,000	475,000											
Hawkeye Park Sports Complex Tennis Courts Reconstruction	PRK-18-003	850,000	850,000											
Sunrise Park Parking Lot Overlay	PRK-24-001	150,000	150,000											
NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street	STR-14-006	150,000	150,000											
SW Oralabor Road and SW Irvinedale Drive Intersection Improvements	STR-16-003	200,000								200,000				
NW Irvinedale Drive and NW 18th Street Intersection Improvements	STR-21-004	4,025,000	4,025,000											
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	125,000			125,000									
West 1st Street Widening and Improvements - Phase 2	STR-22-003	875,000			875,000									
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	100,000	100,000											
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	5,700,000	1,950,000						3,750,000					
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	925,000	725,000						200,000					
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	215,000	215,000											
NE Chambers Parkway Pavement and Pedestrian Ramp Improvements	STR-24-002	150,000	150,000											
Fiber Optic Network Upgrade	TRF-23-001	805,000	805,000											
		\$ 24,235,000	\$15,640,000	\$ -	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ 4,000,000	\$ 340,000	\$ 100,000	\$ 785,000	\$ 1,370,000	\$ -

2026 CIP Projects by Funding Source

			General Obligation Bonds				Revenue Bonds		Miscellaneous					
Project	Project #	2026	Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 495,000	\$ 395,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000									350,000		
Annual PCC Street Patching Program	STR-00-001	1,750,000	1,750,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	800,000	800,000											
Annual Street Replacement Program	STR-00-004	1,800,000	1,800,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,185,000	1,185,000											
Community Entrance Signs	BLD-18-002	100,000									100,000			
Public Works Maintenance Facility Expansion	BLD-24-003	16,250,000				16,250,000								
NE 18th Street Bridge over Interstate 35	BRG-22-002	400,000	400,000											
NE Spectrum Drive RCB Culvert for Otter Creek	BRG-22-004	140,000			140,000									
High Trestle Trail Experience Park	PRK-22-005	1,000,000							500,000		500,000			
Prairie Ridge Sports Complex North Parking Lot Overlay	PRK-24-002	1,870,000	1,870,000											
SW Oralabor Road and SW Irvinedale Drive Intersection Improvements	STR-16-003	500,000								500,000				
NW 36th Street Reconstruction - NW Irvinedale Drive to NW Abilene Road	STR-18-003	200,000												200,000
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	250,000			250,000									
West 1st Street Widening and Improvements - Phase 2	STR-22-003	4,250,000			2,826,750				1,423,250					
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	400,000	400,000											
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	275,000	275,000											
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	2,125,000							300,000	1,825,000				
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	4,160,000	4,160,000											
NE Chambers Parkway Pavement and Pedestrian Ramp Improvements	STR-24-002	1,050,000	1,050,000											
Fiber Optic Network Upgrade	TRF-23-001	500,000	500,000											
		\$ 40,450,000	\$ 15,185,000	\$ -	\$ 3,216,750	\$ 16,250,000	\$ -	\$ -	\$ 2,223,250	\$ 2,425,000	\$ 600,000	\$ 350,000	\$ -	\$ 200,000

2027 CIP Projects by Funding Source

			General Obligation Bonds				Revenue Bonds		Miscellaneous					
Project	Project #	2027	Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 520,000	\$ 420,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000									350,000		
Annual PCC Street Patching Program	STR-00-001	1,850,000	1,850,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	850,000	850,000											
Annual Street Replacement Program	STR-00-004	1,900,000	1,900,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,490,000	1,490,000											
Public Works Maintenance Facility Expansion	BLD-24-003	5,895,000				5,895,000								
SE Frisk Drive RCB Culvert for Four Mile Creek Tributary	BRG-20-001	55,000	55,000											
NE 18th Street Bridge over Interstate 35	BRG-22-002	2,250,000	2,250,000											
NE Spectrum Drive RCB Culvert for Otter Creek	BRG-22-004	1,250,000			1,250,000									
SW Oralabor Road and SW Irvinedale Drive Intersection Improvements	STR-16-003	4,700,000			1,931,000				1,250,000	1,519,000				
NW 36th Street Reconstruction - NW Irvinedale Drive to NW Abilene Road	STR-18-003	700,000	410,000											290,000
NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415	STR-18-004	250,000	250,000											
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	375,000			375,000									
West 1st Street Widening and Improvements - Phase 2	STR-22-003	4,475,000			3,051,750				1,423,250					
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	4,500,000	4,500,000											
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	3,500,000	650,000						2,850,000					
Fiber Optic Network Upgrade	TRF-23-001	610,000	610,000											
		\$ 36,120,000	\$ 15,835,000	\$ -	\$ 6,607,750	\$ 5,895,000	\$ -	\$ -	\$ 5,523,250	\$ 1,619,000	\$ -	\$ 350,000	\$ -	\$ 290,000

2028 CIP Projects by Funding Source

			General Obligation Bonds				Revenue Bonds		Miscellaneous					
Project	Project #	2028	Debt Service Levy	Storm Water	Tax Increment Financing	Road Use Tax Water Sewer	Water	Sewer	Grant	Cash	Hotel/Motel Tax	Road Use Tax	Capital Reserve	Other
Annual Park Development Program	PRK-00-002	\$ 545,000	\$ 445,000							\$ 100,000				
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	225,000									350,000		
Annual PCC Street Patching Program	STR-00-001	1,950,000	1,950,000											
Annual Asphalt Street Resurfacing Program	STR-00-002	375,000	375,000											
Annual Pavement Preservation Program	STR-00-003	900,000	900,000											
Annual Street Replacement Program	STR-00-004	2,000,000	2,000,000											
Annual Traffic Signal Improvement Program	TRF-00-001	1,490,000	1,490,000											
SE Frisk Drive RCB Culvert for Four Mile Creek Tributary	BRG-20-001	385,000	385,000											
NE 18th Street Bridge over Interstate 35	BRG-22-002	6,525,000	4,525,000						2,000,000					
Ladder Truck Replacement	OEC-23-001	2,495,000	2,495,000											
High Trestle Trail Experience Park	PRK-22-005	1,000,000							500,000		500,000			
NW 36th Street Reconstruction - NW Irvinedale Drive to NW Abilene Road	STR-18-003	7,325,000	7,325,000											
NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415	STR-18-004	800,000	800,000											
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	3,725,000			2,285,000				1,440,000					
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	100,000	100,000											
NE Delaware Avenue Reconstruction - Four Mile Creek to NE 36th Street	STR-23-002	500,000	500,000											
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	5,300,000	1,000,000						4,300,000					
		\$ 35,990,000	\$24,515,000	\$ -	\$ 2,285,000	\$ -	\$ -	\$ -	\$ 8,240,000	\$ 100,000	\$ 500,000	\$ 350,000	\$ -	\$ -

[illegible]

Projected
2028

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

[illegible]

Projected
2024

Projected
2026

Projected
2027

Projected
2028

Annual Street Replacement Program

[illegible]

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

2024-2028 Capital Improvement Program								
Overall Project Listing with 10-Year High Priority Projects								
Proposed Projects								
	Project No.	2024	2025	2026	2027	2028	High Priority Projects	Project Cost
ANNUAL PROGRAMS								
Annual Park Development Program	PRK-00-002	\$ 820,000	\$ 470,000	\$ 495,000	\$ 520,000	\$ 545,000	\$ 3,100,000	\$ 5,950,000
Annual Sidewalk/Trail Construction Program	SDW-00-001	575,000	575,000	575,000	575,000	575,000	2,875,000	5,750,000
Annual PCC Street Patching Program	STR-00-001	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	11,250,000	20,125,000
Annual Asphalt Street Resurfacing Program	STR-00-002	475,000	375,000	375,000	375,000	375,000	1,875,000	3,850,000
Annual Pavement Preservation Program	STR-00-003	700,000	750,000	800,000	850,000	900,000	5,250,000	9,250,000
Annual Street Replacement Program	STR-00-004	1,875,000	1,675,000	1,800,000	1,900,000	2,000,000	11,500,000	20,750,000
Annual Traffic Signal Improvement Program	TRF-00-001	1,604,000	1,025,000	1,185,000	1,490,000	1,490,000	8,200,000	14,994,000
BUILDINGS								
Community Entrance Signs	BLD-18-002	50,000	100,000	100,000	-	-	-	250,000
Fire Station No. 4	BLD-20-002	6,810,000	1,370,000	-	-	-	-	8,180,000
Public Works Satellite Salt Storage Facility	BLD-21-002	50,000	475,000	-	-	-	-	525,000
Otter Creek Golf Course Clubhouse Renovations	BLD-24-001	200,000	-	-	-	-	-	200,000
East of Interstate 35 Land Acquisition	BLD-24-002	330,000	-	-	-	-	-	330,000
Public Works Maintenance Facility Expansion	BLD-24-003	-	1,000,000	16,250,000	5,895,000	-	-	23,145,000
City Hall and Public Services Building Expansion	Buildings	-	-	-	-	-	12,325,000	12,325,000
Fire Station No. 5	Buildings	-	-	-	-	-	9,645,000	9,645,000
Police Headquarters Remodel	Buildings	-	-	-	-	-	5,656,000	5,656,000
BRIDGES								
SE Frisk Drive RCB Culvert for Four Mile Creek Tributary	BRG-20-001	-	-	-	55,000	385,000	-	440,000
NE 18th Street Bridge over Interstate 35	BRG-22-002	-	475,000	400,000	2,250,000	6,525,000	7,200,000	16,850,000
NE Spectrum Drive RCB Culvert for Otter Creek	BRG-22-004	-	-	140,000	1,250,000	-	-	1,390,000
NE 62nd Street RCB Culvert for Four Mile Creek Tributary	BRG-23-001	700,000	-	-	-	-	-	700,000
SE Corporate Woods Drive Railroad Overpass	Bridges	-	-	-	-	-	23,500,000	23,500,000
OPERATING/CONSTRUCTION EQUIPMENT								
Ladder Truck Replacement	OEC-23-001	-	-	-	-	2,495,000	-	2,495,000
PARKS								
Hawkeye Park Sports Complex Tennis Courts Reconstruction	PRK-18-003	-	850,000	-	-	-	-	850,000
High Trestle Trail Experience Park	PRK-22-005	924,000	-	1,000,000	-	1,000,000	1,766,000	4,690,000
Sunrise Park Parking Lot Overlay	PRK-24-001	-	150,000	-	-	-	-	150,000
Prairie Ridge Sports Complex North Parking Lot Overlay	PRK-24-002	-	-	1,870,000	-	-	-	1,870,000

2024-2028 Capital Improvement Program								
Overall Project Listing with 10-Year High Priority Projects								
Proposed Projects								
	Project No.	2024	2025	2026	2027	2028	High Priority Projects	Project Cost
Mini-Pitch Soccer System	PRK-22-001	-	-	-	-	-	225,000	225,000
Prairie Ridge Sports Complex East Parking Lot Overlay	PRK-24-003	-	-	-	-	-	1,675,000	1,675,000
Prairie Ridge Sports Complex Softball Batting Cage Replacement	PRK-24-004	-	-	-	-	-	285,000	285,000
Rally Complex Field Lighting	PRK-24-006	-	-	-	-	-	350,000	350,000
Chautauqua and Promenade Park Development	Parks	-	-	-	-	-	6,600,000	6,600,000
Heritage Park Redevelopment and Expansion	Parks	-	-	-	-	-	700,000	700,000
SIDEWALKS/TRAILS								
Clover Ridge Trail	SDW-21-002	-	-	-	-	-	175,000	175,000
SW Ankeny Road Sidewalk Improvements	SDW-22-001	-	-	-	-	-	830,000	830,000
Four Mile Creek Trail - NE 47th Street to NE 54th Street	Sidewalks/Trails	-	-	-	-	-	550,000	550,000
Hidden Creek Trail - NW 5th Street to NW 13th Street	Sidewalks/Trails	-	-	-	-	-	890,000	890,000
NE Frisk Drive Sidewalk Connection	Sidewalks/Trails	-	-	-	-	-	725,000	725,000
SE Delaware Avenue Retaining Wall Replacement	Sidewalks/Trails	-	-	-	-	-	700,000	700,000
STREETS								
NE Delaware Avenue Reconstruction - NE 5th Street to NE 18th Street	STR-14-006	5,850,000	150,000	-	-	-	-	6,000,000
SW Oralabor Road and SW Irvinedale Drive Intersection Improvements	STR-16-003	-	200,000	500,000	4,700,000	-	-	5,400,000
NW 36th Street Reconstruction - NW Irvinedale Drive to NW Abilene Road	STR-18-003	-	-	200,000	700,000	7,325,000	125,000	8,350,000
NW 18th Street Extension - NW Spruce Drive to Iowa Highway 415	STR-18-004	-	-	-	250,000	800,000	7,950,000	9,000,000
NW 36th Street and NW Weigel Drive Asphalt Overlay	STR-19-004	2,450,000	-	-	-	-	-	2,450,000
SW Oralabor Road and SW Edgewood Lane Intersection Improvements	STR-19-006	250,000	-	-	-	-	-	250,000
SW Oralabor Road and SW State Street Intersection Improvements	STR-20-008	3,425,000	-	-	-	-	-	3,425,000
NW Irvinedale Drive and NW 18th Street Intersection Improvements	STR-21-004	375,000	4,025,000	-	-	-	-	4,400,000
South Ankeny Boulevard and SE Oralabor Road Safety Improvements	STR-21-005	-	125,000	250,000	375,000	3,725,000	3,725,000	8,200,000
West 1st Street Widening and Improvements - Phase 2	STR-22-003	400,000	875,000	4,250,000	4,475,000	-	-	10,000,000
NW 18th Street Reconstruction - NW State Street to NW Ash Drive	STR-22-004	-	100,000	400,000	4,500,000	100,000	-	5,100,000
North Ankeny Boulevard Improvements - 1st Street to 11th Street	STR-23-001	500,000	5,700,000	275,000	-	-	-	6,475,000
NE Delaware Avenue Reconstruction - Four Mile Creek to NE 36th Street	STR-23-002	-	-	-	-	500,000	9,450,000	9,950,000
South Ankeny Boulevard Improvements - SE Peterson Drive to 1st Street	STR-23-005	150,000	925,000	2,125,000	3,500,000	5,300,000	-	12,000,000
SW Magazine Road and SW State Street Intersection Improvements	STR-23-006	475,000	-	-	-	-	-	475,000
NW Prairie Ridge Drive, NW 9th Street and NW Ash Drive Intersection Improvements	STR-24-001	200,000	215,000	4,160,000	-	-	-	4,575,000

2024-2028 Capital Improvement Program								
Overall Project Listing with 10-Year High Priority Projects								
Proposed Projects								
	Project No.	2024	2025	2026	2027	2028	High Priority Projects	Project Cost
NE Chambers Parkway Pavement and Pedestrian Ramp Improvements	STR-24-002	-	150,000	1,050,000	-	-	-	1,200,000
SE Creekview Drive Extension	STR-24-003	2,025,000	-	-	-	-	-	2,025,000
East 1st Street Widening - NE Frisk Drive to NE Four Mile Drive	Streets	-	-	-	-	-	12,250,000	12,250,000
NW 36th Street Widening - NW State Street to NW Ash Drive	Streets	-	-	-	-	-	5,125,000	5,125,000
NW State Street Extension - NW 36th Street to NW 54th Street	Streets	-	-	-	-	-	20,150,000	20,150,000
NW State Street Widening and Pavement Rehabilitation - West 1st Street to NW 18th Street	Streets	-	-	-	-	-	5,900,000	5,900,000
SW 4th Street Reconstruction - SW Maple Street to SW Cherry Street	Streets	-	-	-	-	-	800,000	800,000
TRAFFIC								
Fiber Optic Network Upgrade	TRF-23-001	650,000	805,000	500,000	610,000	-	-	2,565,000
SE Corporate Woods Drive and SE Crosswinds Drive Traffic Signal	TRF-23-002	485,000	-	-	-	-	-	485,000
SE Delaware Avenue Capacity Improvements - SE Oralabor Road to SE 16th Court	Traffic	-	-	-	-	-	1,970,000	1,970,000
Traffic Signal Development Agreements	Traffic	-	-	-	-	-	2,250,000	2,250,000
	Year Totals	\$ 33,998,000	\$ 24,235,000	\$ 40,450,000	\$ 36,120,000	\$ 35,990,000	\$ 187,542,000	\$ 358,335,000

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

EXHIBIT 1

FY25 Pre-Levy => 5,192,576

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

									Par	\$16,365,000	\$16,365,000	\$15,360,000	\$16,025,000	\$24,815,000						Ending
									Proceeds	\$16,150,600	\$16,162,000	\$15,185,000	\$15,835,000	\$24,515,000	Estimated	Bond	Other	Total	Surplus/	Cash/Fund
Fiscal Year	Total Tax		Taxes	Debt	Utility/	Misc	Property	Total	Existing	2024	2025	2026	2027	2028	Future	Fees	Uses	Uses	(Deficit)	Balance
Valuation	Growth	Levied	Levy	Abatement	Income		Backfill	Resources	GO Debt	CIP-Taxes	CIP-Taxes	CIP-Taxes	CIP-Taxes	CIP-Taxes	GO Bonds					
2018 - 2019	3,531,530,661	13.3%	13,243,241	\$3.7500	7,801,688	118,225	355,273	21,518,427	21,801,317							7,100	(1,115)	21,807,302	(288,875)	1,860,091
2019 - 2020	3,842,245,193	8.8%	13,447,858	\$3.5000	8,617,551	74,261	343,629	22,483,299	22,703,697							7,700	125,359	22,836,756	(353,457)	1,506,634
2020 - 2021	4,177,177,183	8.7%	13,575,825	\$3.2500	9,326,128	131,197	335,718	23,368,868	23,334,941							6,842	(135,238)	23,206,545	162,323	1,668,957
2021 - 2022	4,456,458,887	6.7%	14,260,668	\$3.2000	8,824,235	3,242	342,757	23,430,902	23,356,250							6,400	(98,317)	23,264,334	166,569	1,835,526
2022 - 2023	4,827,690,725	8.3%	14,724,457	\$3.0500	9,158,442	101,093	276,946	24,260,938	24,199,486							6,000		24,205,486	55,452	1,890,978
2023 - 2024	5,049,775,865	4.6%	15,149,328	\$3.0000	9,525,673	44,000	304,464	25,023,465	25,020,307							6,600		25,026,907	(3,442)	1,887,536
2024 - 2025	5,723,685,198	13.3%	17,171,056	\$3.0000	8,282,827	44,000	234,783	25,732,665	20,531,763	5,192,576						6,700		25,731,038	1,627	1,889,163
2025 - 2026	5,999,830,555	4.8%	17,999,492	\$3.0000	7,842,088	44,000	167,379	26,052,958	18,674,019	4,869,400	2,502,576					6,800		26,052,794	164	1,889,327
2026 - 2027	6,011,536,137	0.2%	18,034,608	\$3.0000	7,364,263	44,000	100,053	25,542,924	17,688,781	1,243,125	2,757,350	3,841,840				6,900		25,537,996	4,928	1,894,255
2027 - 2028	6,261,932,503	4.2%	18,785,798	\$3.0000	6,192,394	44,000	100,053	25,122,244	15,926,300	1,243,575	2,025,375	3,415,350	2,503,720			7,000		25,121,320	924	1,895,179
2028 - 2029	6,268,465,514	0.1%	18,805,397	\$3.0000	3,894,544	44,000	100,053	22,843,993	8,944,175	1,241,550	2,022,775	3,539,925	3,267,550	3,821,199		6,000		22,843,174	820	1,895,999
2029 - 2030	6,387,566,359	1.9%	19,162,699	\$3.0000	1,567,344	44,000	100,053	20,874,096	4,391,825	1,242,050	2,021,325	1,164,375	3,436,425	3,915,350	4,674,161	6,000		20,851,511	22,585	1,918,584

Debt Limit Projection

Based on Constitutional Limit:
5% of Assessed Valuation

Outstanding Debt

Issue Date	Maturity Date	Outstanding Debt
12/22/14	06/01/28	\$ 9,790,000
05/28/15	06/01/25	1,570,000
05/28/15	06/01/24	280,000
03/31/16	06/01/28	2,645,000
05/25/16	06/01/26	2,710,000
05/31/17	06/01/27	3,740,000
05/30/18	06/01/28	8,070,000
05/28/19	06/01/29	11,720,000
06/09/20	06/01/30	8,165,000
06/09/21	06/01/31	15,245,000
05/25/22	06/01/37	26,725,000
06/21/23	06/01/33	13,790,000
Rebate & Lease Agreements		7,208,625
Total Outstanding Debt		\$ 111,658,625

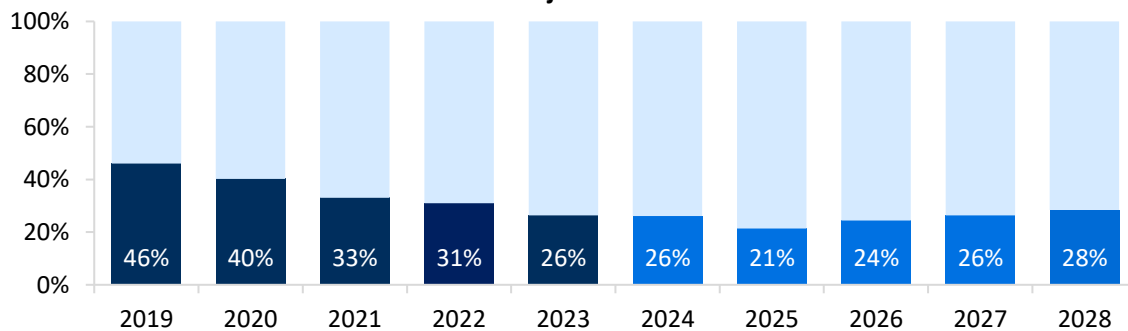
Projected Debt

Bond Year	Debt Addition	Debt Reduction	Change in Rebates	Net Change	Projected Outstanding Debt
2024	\$ 17,635,000	\$ 20,450,000	\$ -	\$ (2,815,000)	\$ 108,843,625
2025	21,410,000	16,850,000	(342,832)	4,217,168	113,060,793
2026	37,140,000	15,775,000	(1,641,072)	19,723,928	132,784,720
2027	31,785,000	15,485,000	(1,836,173)	14,463,827	147,248,547
2028	30,455,000	14,395,000	(842,654)	15,217,346	162,465,892

Calculation of Legal Debt Limit

FY	Assessed Value	Debt Limit Value (5%)	Projected Outstanding Debt	Unused Debt Limit	% of Debt Limit Used
2024	8,329,098,390	\$ 416,454,920	\$ 108,843,625	\$ 307,611,295	26%
2025	10,605,039,333	530,251,967	113,060,793	417,191,174	21%
2026	10,873,164,527	543,658,226	132,784,720	410,873,506	24%
2027	11,149,333,477	557,466,674	147,248,547	410,218,127	26%
2028	11,433,787,495	571,689,375	162,465,892	409,223,483	28%

Historical and Projected Use of Debt Limit



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	BLD-18-002
Project Name	Community Entrance Signs

Description
The two large welcome signs along Interstate 35 were constructed in 2018. Landscaping around the two interstate signs was completed in 2019. Additional smaller signs were planned for future construction. Assuming 8 smaller signs are constructed: •A feasibility study with final council approval of sign locations will need to be completed. •Property acquisitions/permits will need to be obtained with Iowa DOT approvals in certain locations. •Four signs will be completed in each of two years after design, approvals and easement acquisitions as needed.
Justification
The installation of welcome signs was identified by the city council as a priority during previous strategic planning sessions (prior to 2022). As a first phase of meeting this objective, the two large scale Interstate 35 signs were built. Additional smaller-scale signs were planned for future consideration pending council authorization. This planning effort will need to once again be vetted prior to work proceeding. These smaller signs are anticipated to be placed at the corporate limits on some of the state highways and county collector routes. These signs will showcase and promote our successful city.

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

Budget Impact/Other						
The two large interstate signs require electric service and a minor amount of landscaping maintenance each year. The other eight signs will require minor landscaping maintenance each year.						
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		750	1,500	1,500	1,500	5,250
Utilities		150	300	300	300	1,050
Total		900	1,800	1,800	1,800	6,300

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Administration

Contact Assistant City Manager

Project # BLD-18-002

Project Name Community Entrance Signs



city of
Ankeny

bringing it all together

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Administration

Contact Assistant City Manager

Project # BLD-20-002

Project Name Fire Station No. 4

Type New Construction

Useful Life 40 years

Category Municipal Buildings

Description

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

Justification

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

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

Budget Impact/Other

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

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

City of Ankeny, Iowa

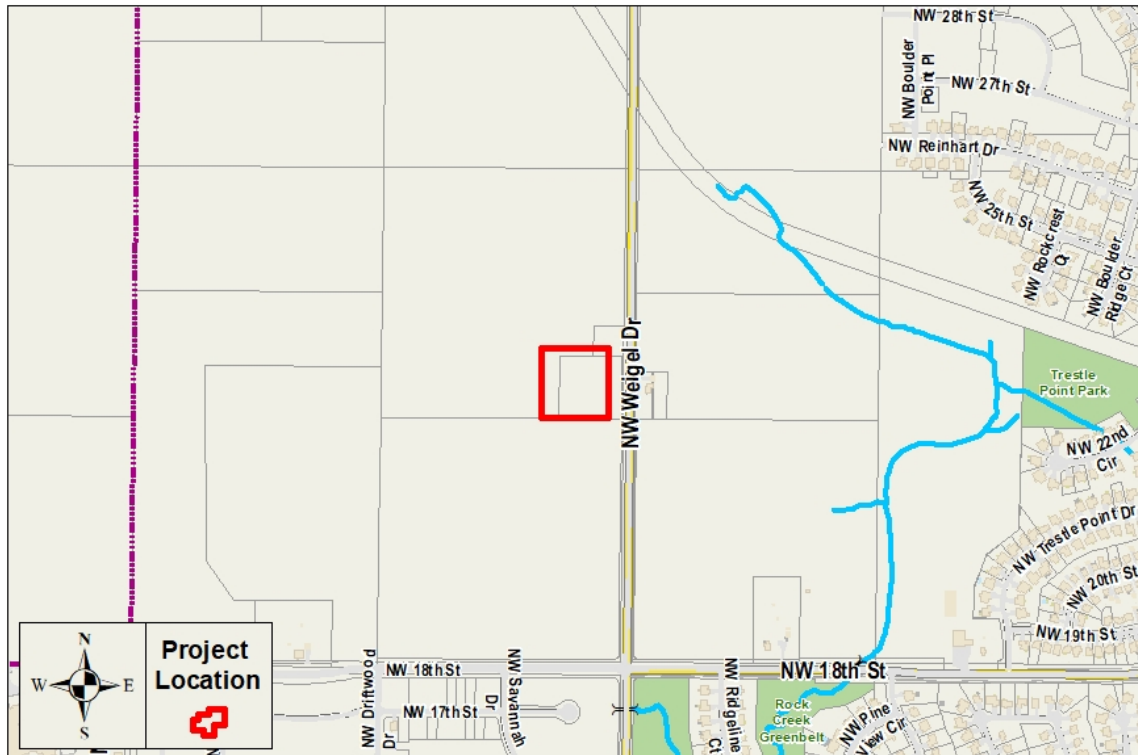
2024 *thru* 2028

Department Administration

Contact Assistant City Manager

Project # **BLD-20-002**

Project Name **Fire Station No. 4**



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact City Engineer
Type New Construction
Useful Life 40 years
Category Municipal Buildings

Project #	BLD-21-002
Project Name	Public Works Satellite Salt Storage Facility

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

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	50,000					50,000
Construction Costs		475,000				475,000
Total	50,000	475,000				525,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund	50,000	40,000				90,000
Road Use Tax Fund		435,000				435,000
Total	50,000	475,000				525,000

Budget Impact/Other
There will be additional lighting costs and minimal building upkeep needed.

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

2024 - 2028 Capital Improvement Program

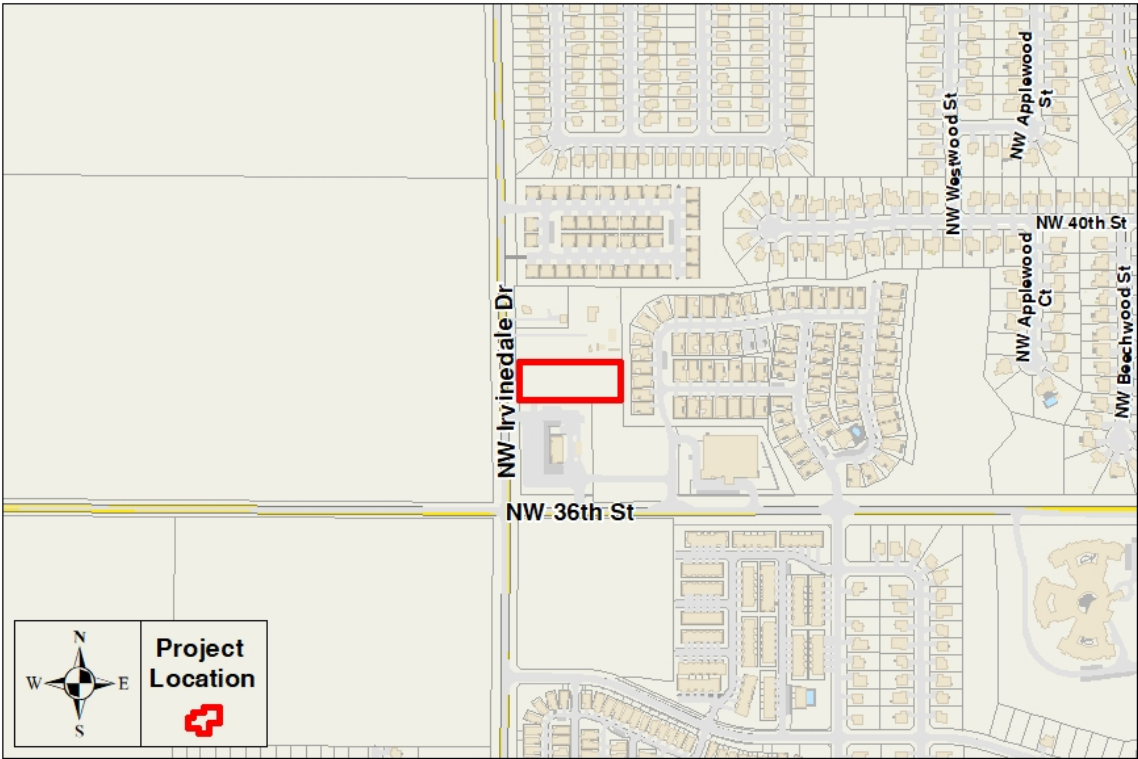
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Project #	BLD-21-002
Project Name	Public Works Satellite Salt Storage Facility



2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation
Contact Parks and Recreation Director
Type Improvement
Useful Life 20 years
Category Municipal Buildings

Project #	BLD-24-001
Project Name	Otter Creek Golf Course Clubhouse Renovations

Description
Otter Creek Golf Course Clubhouse Renovations

Justification
Since opening in 2009, the Otter Creek Golf Course Clubhouse has witnessed tremendous use as Ankeny’s only public course. The Pro Shop, Tin Cup and Pinnacle Club annually host over 40,000 patrons at the facility. Normal wear-and-tear on the carpet, paint and other amenities are now showing and need to be updated. The majority of the renovations include new paint and carpet for the banquet area, pre-function room and restaurant. Additional improvements include window covering repairs, entry/exterior door replacement and banquet door exterior replacement. Currently, the clubhouse does not have ADA accessible doors and these improvements would provide one set at each end of the facility. The improvements are being target to take place December 2024 – February 2025.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	200,000					200,000
Total	200,000					200,000

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

Budget Impact/Other
None, as these improvements are replacement items.

City of Ankeny, Iowa

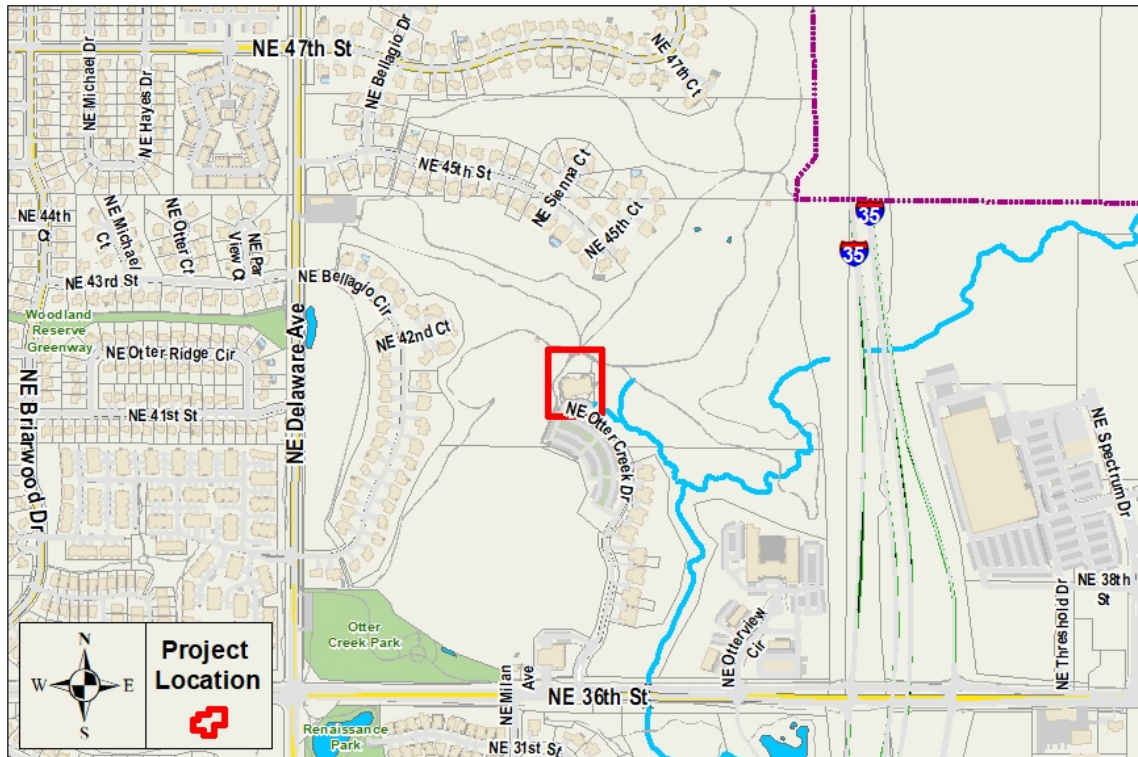
2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **BLD-24-001**

Project Name Otter Creek Golf Course Clubhouse Renovations



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Administration
Contact Assistant City Manager
Type Purchase
Useful Life 40 years
Category Municipal Buildings

Project #	BLD-24-002
Project Name	East of Interstate 35 Land Acquisition

Description

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Legal-General/Spec. Assessment	15,000					15,000
Land/ROW Acquisition	315,000					315,000
Total	330,000					330,000

Funding Sources	2024	2025	2026	2027	2028	Total
Capital Reserve Fund	165,000					165,000
Road Use Tax Fund	99,000					99,000
Water Fund	66,000					66,000
Total	330,000					330,000

Budget Impact/Other

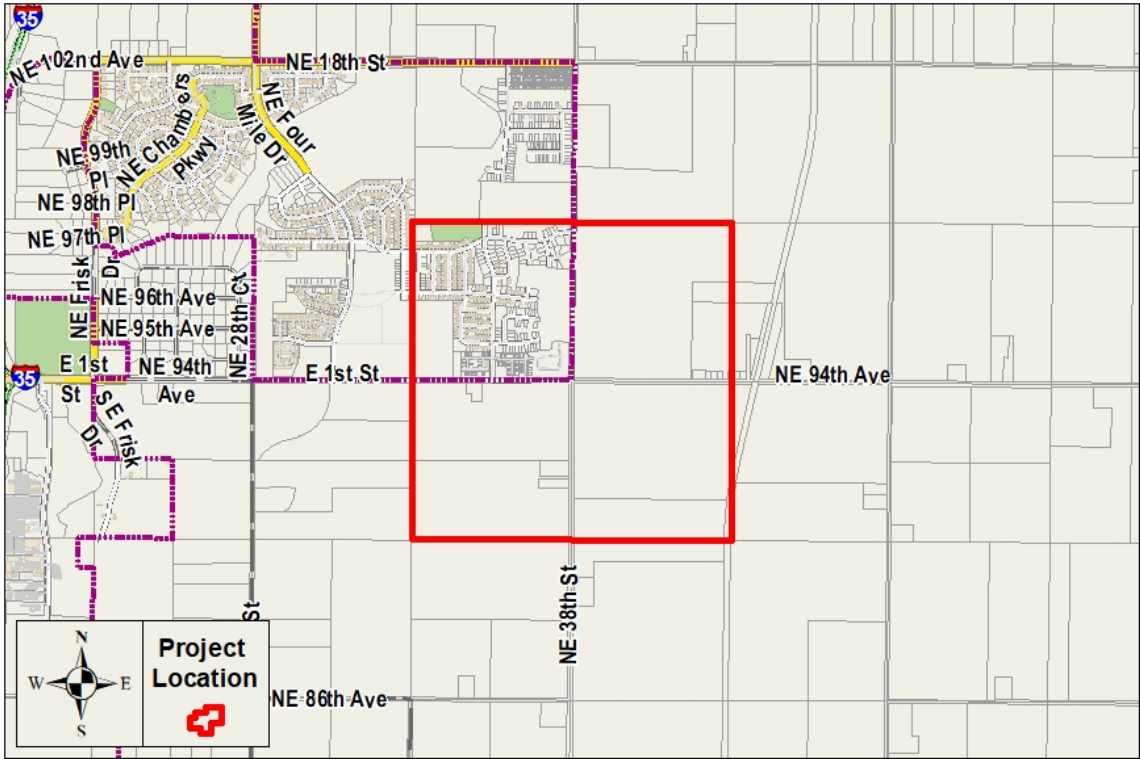
Operating costs would be limited to mowing the property, but could be offset if a farm lease is agreed upon for any portion of property. Due to the unknown nature of the land’s use, this request is submitted as a cost neutral item for the City’s operations.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 thru 2028

Department Administration
Contact Assistant City Manager

Project #	BLD-24-002
Project Name	East of Interstate 35 Land Acquisition



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact Assistant City Manager
Type New Construction
Useful Life 40 years
Category Municipal Buildings

Project #	BLD-24-003
Project Name	Public Works Maintenance Facility Expansion

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

Justification
Multi-building expansion scheme intended to meet the needs of the current operations at this location (traffic, fleet, streets, and water) along with expansion needs for the sanitary sewer group at the old waste water treatment site. Expansions at the north end of the main building add administrative space and locker room expansions. An additional wash bay is added at the south end. The current maintenance bays would be used for maintenance only and not for storage of vehicles. A large addition to the end of the waterworks maintenance structure is constructed in a single phase to add vehicle storage space for the next 20 years. Design fees are estimated at ~6% for the project.
Projected Construction Costs = \$21,813,000
Projected Design Costs: = \$1,332,000
-Public Works (~51%)
-Sanitary Sewer (~32%)
-Water (~17%)
Projected Total Construction & Design Costs: = \$23,145,000
The project estimate above is provided in CY 2023 dollars and excludes additional costs for land acquisition, site utility infrastructure development costs, design fees, construction observation, or cost escalation. A cost escalation factor of 6% annum is advised, but can be adjusted during subsequent reviews of the CIP, but would likely be estimated at \$24.51 million if constructed in 2026.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		1,000,000				1,000,000
Engineering-Construction Services			250,000	82,000		332,000
Construction Costs			16,000,000	5,813,000		21,813,000
Total		1,000,000	16,250,000	5,895,000		23,145,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - RUT Abated		506,499	8,230,602	2,985,809		11,722,910
G.O. Bonds - Sewer Abated		324,974	5,280,831	1,915,723		7,521,528
G.O. Bonds - Water Abated		168,527	2,738,567	993,468		3,900,562
Total		1,000,000	16,250,000	5,895,000		23,145,000

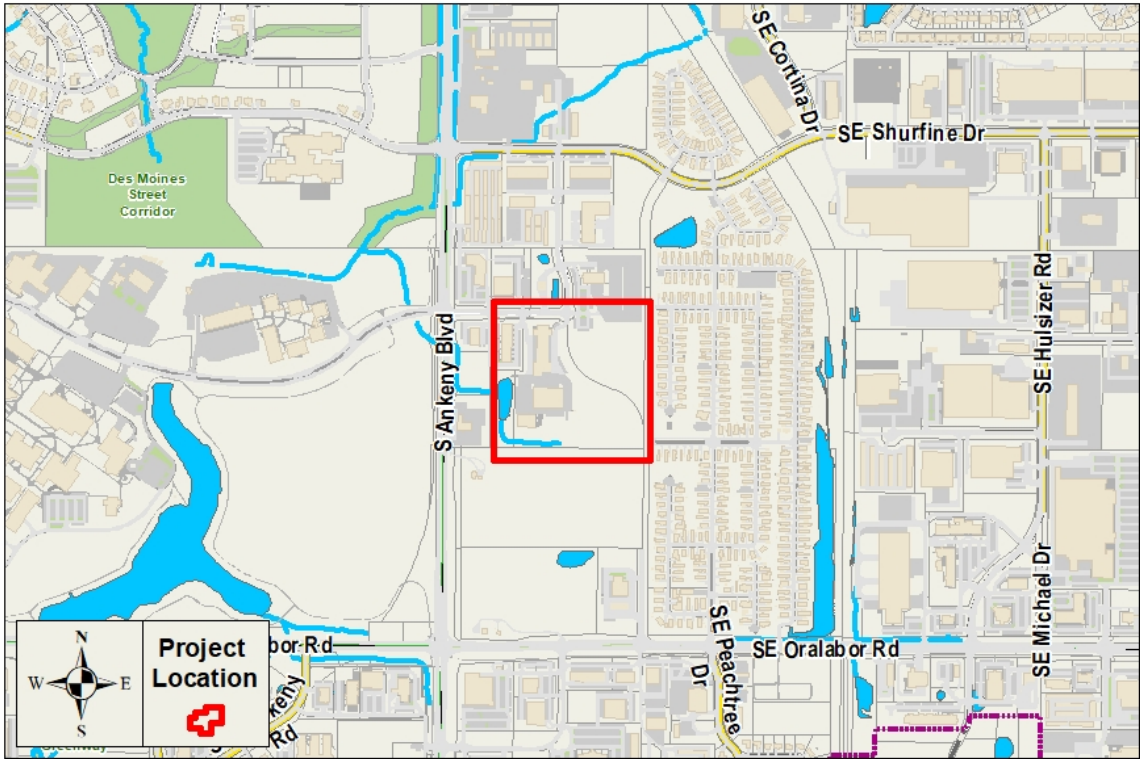
Budget Impact/Other
To be determined, however expanding the existing building square footage will carry additional operating impacts for utility expenses. Some of this additional expense will be slightly offset by no longer operating separate wastewater facilities.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact Assistant City Manager

Project #	BLD-24-003
Project Name	Public Works Maintenance Facility Expansion



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	BRG-20-001
Project Name	SE Frisk Drive RCB Culvert for Four Mile Creek

Description

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

Justification

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

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

Budget Impact/Other

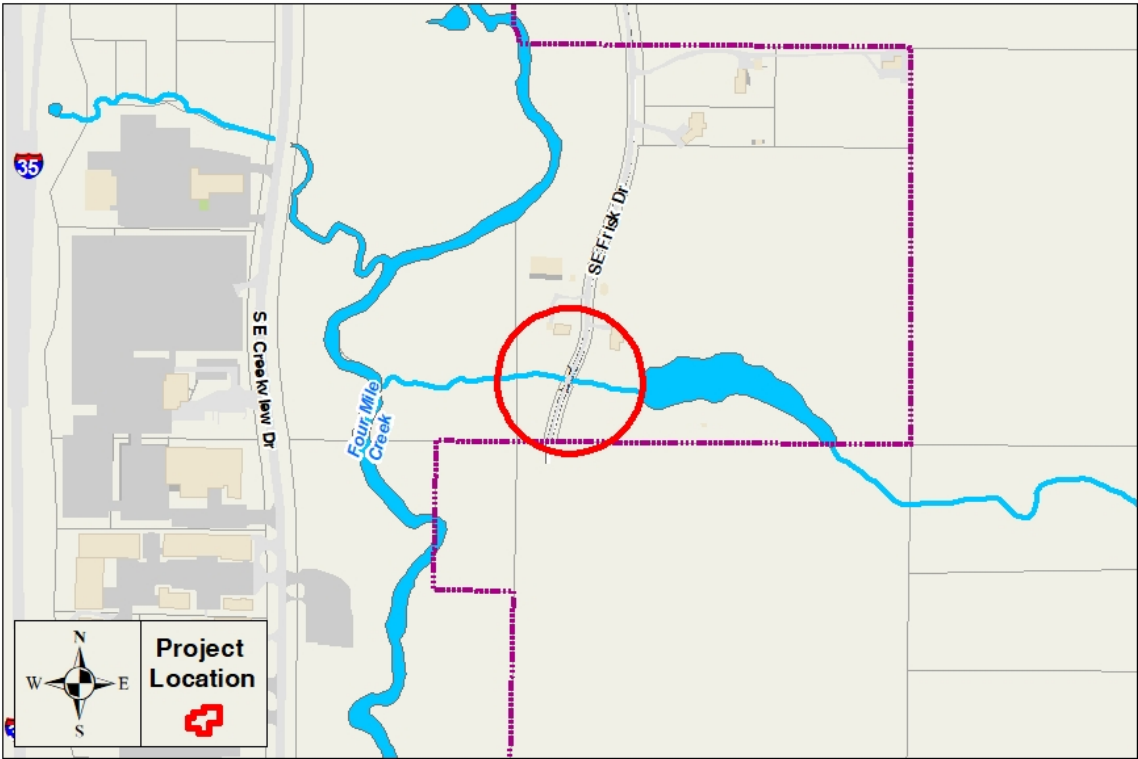
The new RCB culvert will have a negligible impact on the City's maintenance costs. The RCB culvert will be added to the Annual Bridge Inspection Program for monitoring purposes.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	BRG-20-001
Project Name	SE Frisk Drive RCB Culvert for Four Mile Creek



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 40 years

Category Bridge/Box Culvert

Project # BRG-22-002

Project Name NE 18th Street Bridge over Interstate 35

Description

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

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

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

The proposed project schedule assumes:

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

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		475,000	400,000			875,000
Engineering-Construction Services				525,000	725,000	1,250,000
Construction Costs				1,225,000	5,800,000	7,025,000
Land/ROW Acquisition				500,000		500,000
Total		475,000	400,000	2,250,000	6,525,000	9,650,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		475,000	400,000	2,250,000	4,525,000	7,650,000
MPO/STBG Grants					2,000,000	2,000,000
Total		475,000	400,000	2,250,000	6,525,000	9,650,000

Budget Impact/Other

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

City of Ankeny, Iowa

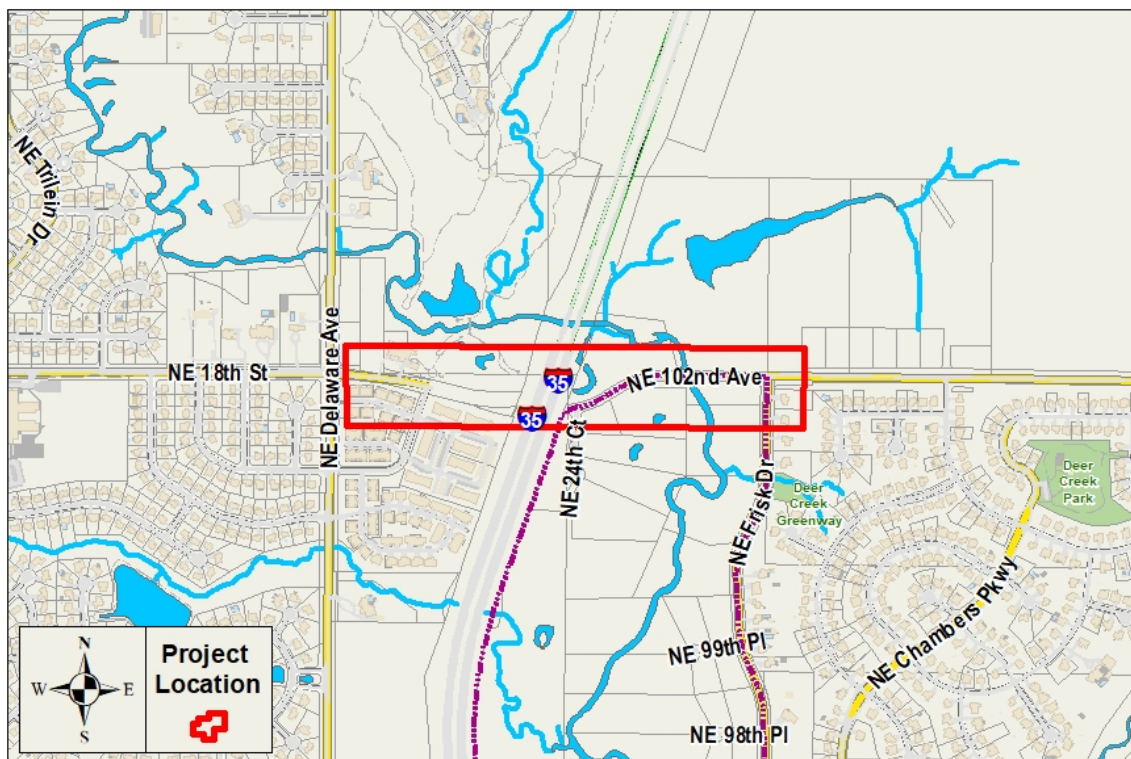
2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # **BRG-22-002**

Project Name NE 18th Street Bridge over Interstate 35



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact City Engineer
Type New Construction
Useful Life 40 years
Category Bridge/Box Culvert

Project #	BRG-22-004
Project Name	NE Spectrum Drive RCB Culvert for Otter Creek

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

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design			140,000			140,000
Engineering-Construction Services				100,000		100,000
Construction Costs				1,150,000		1,150,000
Total			140,000	1,250,000		1,390,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - TIF Abated			140,000	1,250,000		1,390,000
Total			140,000	1,250,000		1,390,000

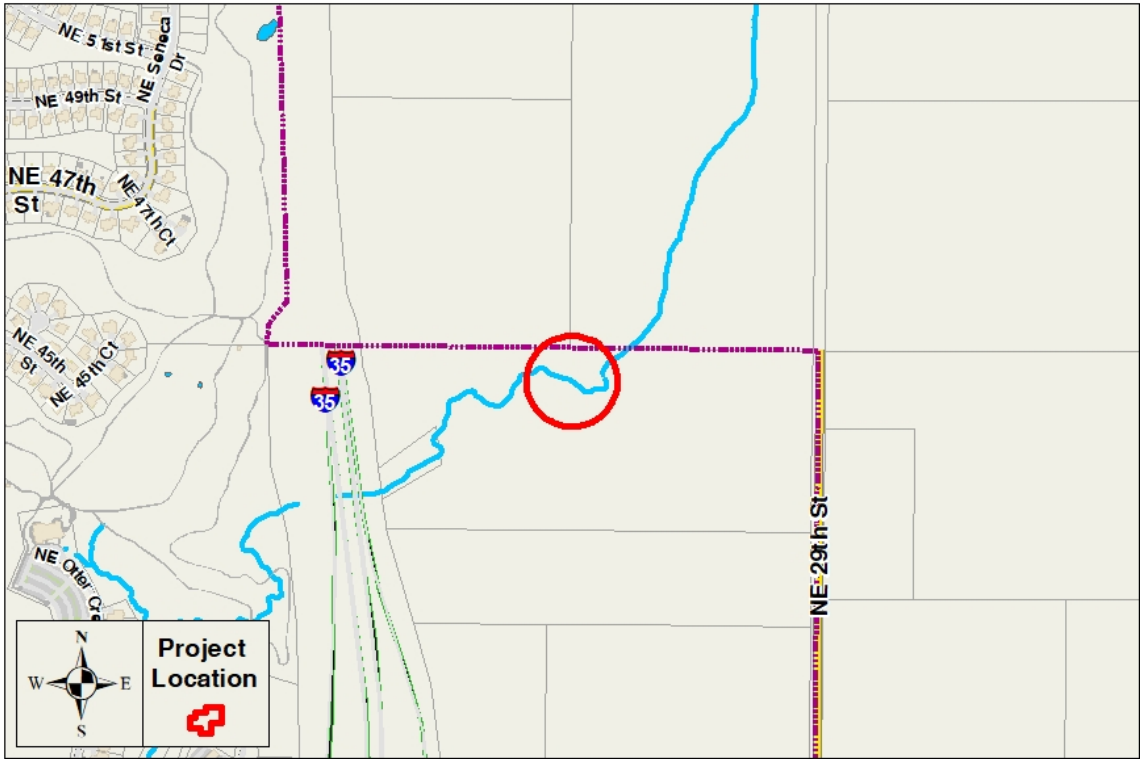
Budget Impact/Other
The new RCB culvert will have a negligible impact on the City’s maintenance costs. The RCB culvert will be added to the Annual Bridge Inspection Program for monitoring purposes, following construction.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	BRG-22-004
Project Name	NE Spectrum Drive RCB Culvert for Otter Creek



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact City Engineer
Type New Construction
Useful Life 40 years
Category Bridge/Box Culvert

Project #	BRG-23-001
Project Name	NE 62nd Street RCB Culvert for Four Mile Tributary

Description

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

Justification

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

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

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

Budget Impact/Other

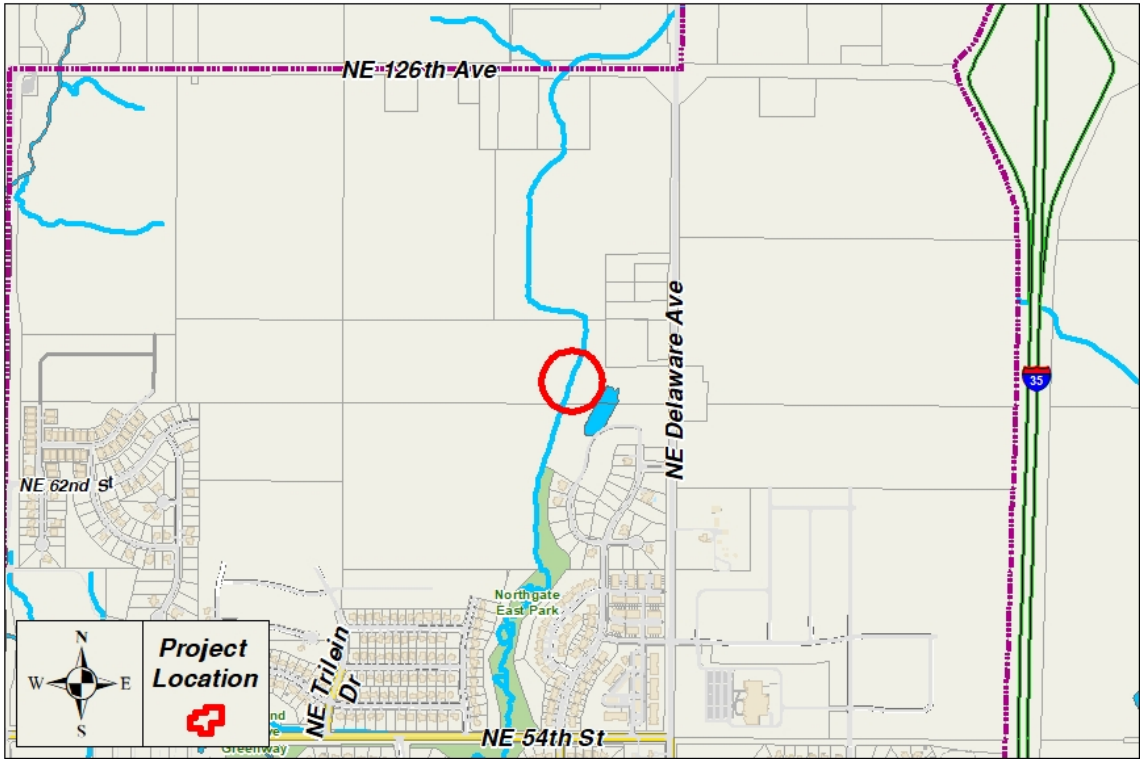
The new RCB culvert will have a negligible impact on the City’s maintenance costs. The RCB culvert(s) will be added to the Annual Bridge Inspection Program for monitoring purposes, following construction.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	BRG-23-001
Project Name	NE 62nd Street RCB Culvert for Four Mile Tributary



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Fire
Contact Fire Chief
Type Purchase
Useful Life 20 years
Category Operating/Construction Equip

Project #	OEC 23-001
Project Name	Ladder Truck Replacement

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

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

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

Budget Impact/Other
A new ladder truck will increase the reliability of our emergency vehicle fleet and address the ongoing maintenance issues with our current aerial apparatus. The new ladder truck will also provide us the opportunity to evaluate how our fleet is utilized for calls for service, optimize response capabilities across all front-line apparatus, and reduce the number of apparatus in the current fleet by consolidating capabilities.
There will be minimal impact on the operating budget as the existing funding should account for the normal maintenance and fuel for this apparatus.
The cost estimate for the new ladder truck is \$2,370,000 with an additional \$125,000 required for radios, MDT, and equipment to outfit the apparatus.

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Fire

Contact Fire Chief

Project # OEC 23-001

Project Name Ladder Truck Replacement



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2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

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

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

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

Justification
2024 •Watercrest Park Expansion (8 acres): splash pad, shelter, trail loop, parking lot, landscaping, etc.
2025 •Aspen Ridge Park: playground, trail loop, shelter, etc.
2026 •Kimberley Crossing Park: playground, trail loop, shelter, etc.
2027 •Trestle Ridge Park: playground, High Trestle Trail connection, shelter, etc.
2028 •Des Moines Street Parks - North Park: shelter, turf improvements, etc.

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	60,000	47,000	50,000	52,000	54,500	263,500
Construction Costs	760,000	423,000	445,000	468,000	490,500	2,586,500
Total	820,000	470,000	495,000	520,000	545,000	2,850,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	720,000	370,000	395,000	420,000	445,000	2,350,000
Park Dedication Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	820,000	470,000	495,000	520,000	545,000	2,850,000

Budget Impact/Other
Watercrest Park Expansion will increase operating and maintenance costs by a negligible amount.

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

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Project # PRK-00-002

Project Name Annual Park Development Program



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2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	PRK-18-003
Project Name	Hawkeye Park Tennis Courts Reconstruction

Description

Hawkeye Park Sports Complex – Tennis Courts Reconstruction

Justification

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

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		75,000				75,000
Construction Costs		775,000				775,000
Total		850,000				850,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		850,000				850,000
Total		850,000				850,000

Budget Impact/Other

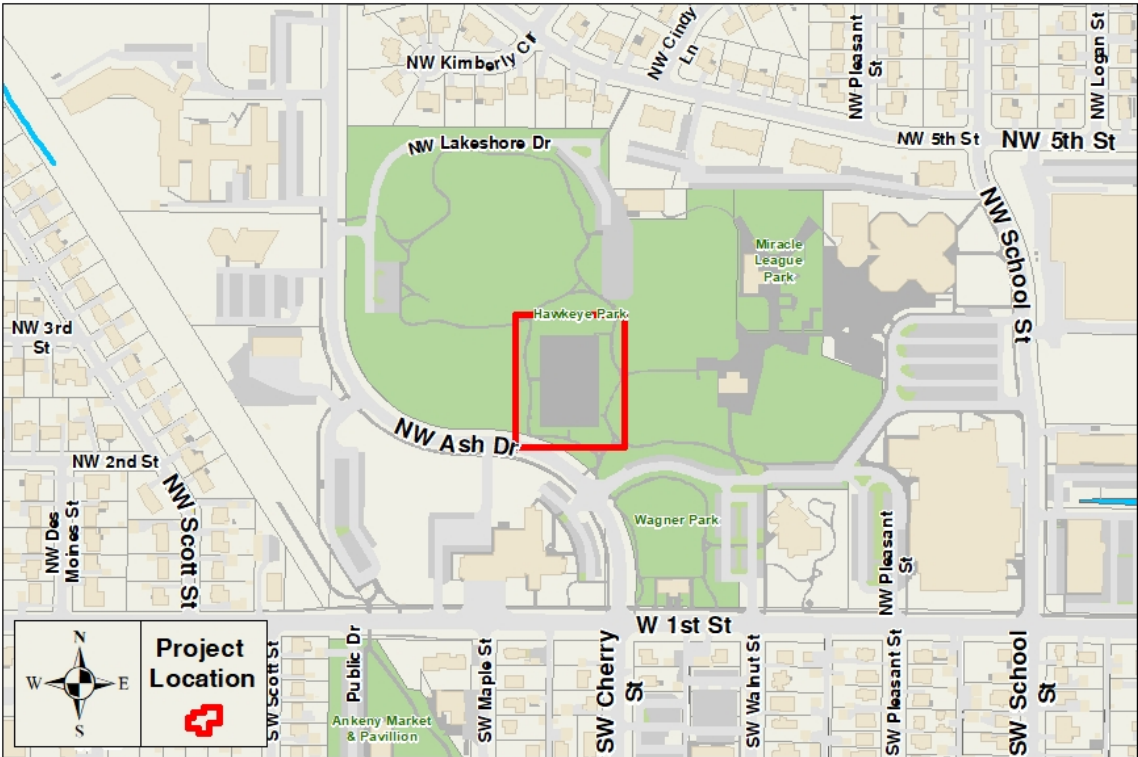
None, as this project renovates a current park amenity.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation
Contact Parks and Recreation Director

Project #	PRK-18-003
Project Name	Hawkeye Park Tennis Courts Reconstruction



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	PRK-22-005
Project Name	High Trestle Trail Experience Park

Description

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

Justification

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

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

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

Budget Impact/Other

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

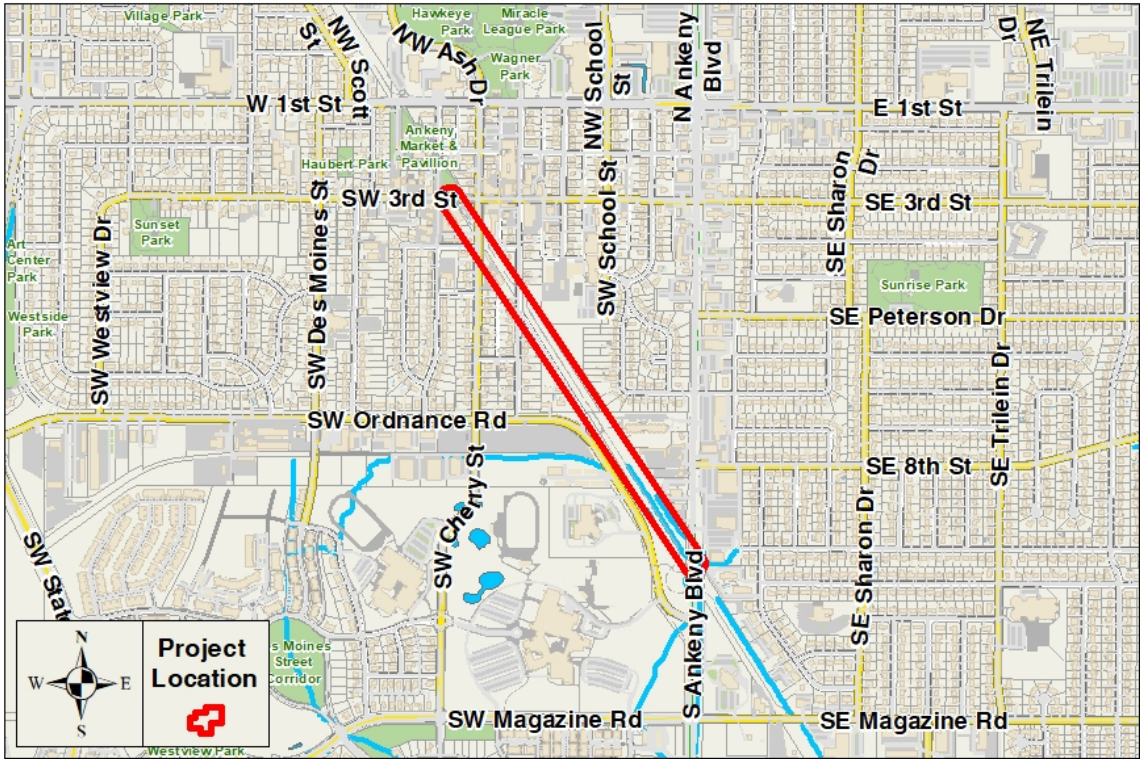
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		1,500	1,500	1,500	1,500	6,000
Utilities		750	750	750	750	3,000
Total		2,250	2,250	2,250	2,250	9,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation
Contact Parks and Recreation Director

Project #	PRK-22-005
Project Name	High Trestle Trail Experience Park



2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation
Contact Parks and Recreation Director
Type Replacement
Useful Life 20 years
Category Park Facilities

Project #	PRK-24-001
Project Name	Sunrise Park Parking Lot Overlay

Description
Asphalt overlay of the Sunrise Park parking lot.

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services		25,000				25,000
Construction Costs		125,000				125,000
Total		150,000				150,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		150,000				150,000
Total		150,000				150,000

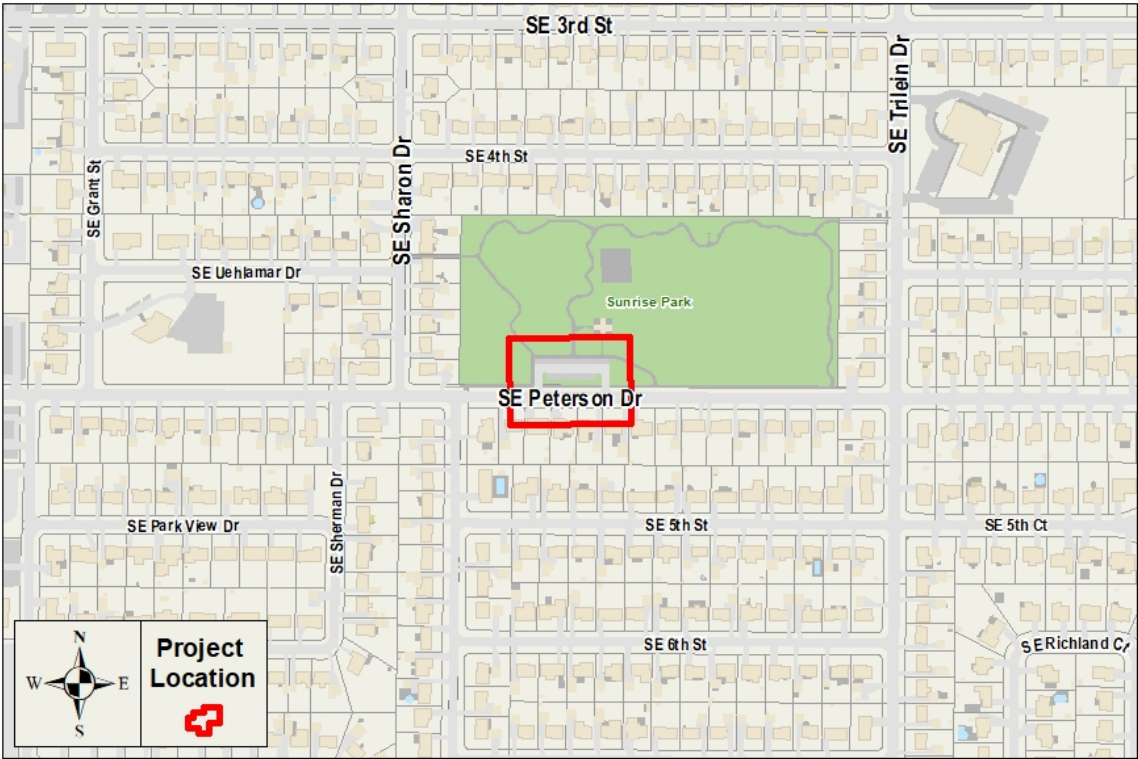
Budget Impact/Other
None, as this project renovates a current park facility.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation
Contact Parks and Recreation Director

Project #	PRK-24-001
Project Name	Sunrise Park Parking Lot Overlay



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

DepartmentParks and Recreation

ContactParks and Recreation Director

TypeReplacement

Useful Life20 years

CategoryPark Facilities

Project #PRK-24-002

Project NamePrairie Ridge Sports Complex N Parking Lot Overlay

Description

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services			70,000			70,000
Construction Costs			1,800,000			1,800,000
Total			1,870,000			1,870,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds			1,870,000			1,870,000
Total			1,870,000			1,870,000

Budget Impact/Other

None, as this project renovates a current park facility.

City of Ankeny, Iowa

2024 *thru* 2028

Department Parks and Recreation

Contact Parks and Recreation Director

Project # **PRK-24-002**

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works
Contact City Engineer
Type Improvement
Useful Life 20 years
Category Sidewalks/Trails

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

Description

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

•Pedestrian Ramp Improvements for ADA Compliance:
o2024 to 2028 - \$350,000/year (construction)

•Sidewalk Gaps along City Property and 8-ft. sidewalk and 10-ft. trail panel replacements:
o2024 to 2028 - \$175,000/year (construction)

•Development Sidewalk Oversizing:
o2024 to 2028 - \$50,000/year (previous development agreements)

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

Justification

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

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

Budget Impact/Other

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

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

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # SDW-00-001

Project Name Annual Sidewalk/Trail Construction Program



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2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Maintenance

Useful Life 20 years

Category Streets and Alleys

Project # STR-00-001

Project Name Annual PCC Street Patching Program

Description

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

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

- 1/3 NW Northlawn Area Utility Improvements (2 of 4 phases remaining):
o2024 - \$600,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)
o2025 - \$650,000 (Phase 4 construction) and \$25,000 (Phase 4 construction engineering)

- 1/3 Westlawn Place Area Utility Improvements (number of phases TBD, potentially 6 to 8):
o2024 - \$100,000 (stormwater study, survey, and preliminary conceptual design)
o2025 - \$50,000 (final conceptual design and Phase 1 design engineering)
o2026 - \$700,000 (Phase 1 construction) and \$25,000 (Phase 1 construction engineering) and \$25,000 (Phase 2 design engineering)
o2027 - \$750,000 (Phase 2 construction) and \$25,000 (Phase 2 construction engineering) and \$25,000 (Phase 3 design engineering)
o2028 - \$800,000 (Phase 3 construction) and \$25,000 (Phase 3 construction engineering) and \$25,000 (Phase 4 design engineering)

Justification

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

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

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	8,875,000
Total	1,650,000	1,675,000	1,750,000	1,850,000	1,950,000	8,875,000

Budget Impact/Other

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

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

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # STR-00-001

Project Name Annual PCC Street Patching Program



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2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 20 years

Category Streets and Alleys

Project # STR-00-002

Project Name Annual Asphalt Street Resurfacing Program

Description

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

The specific projects for 2024 include:

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

Potential future projects:

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Construction Costs	475,000	375,000	375,000	375,000	375,000	1,975,000
Total	475,000	375,000	375,000	375,000	375,000	1,975,000

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

Budget Impact/Other

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

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

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # STR-00-002

Project Name Annual Asphalt Street Resurfacing Program



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2024 - 2028 Capital Improvement Program

2024 thru 2028

City of Ankeny, Iowa

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

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

Description
<p>The Annual Pavement Preservation Program addresses the need for routine, preventative maintenance of the existing concrete streets within Ankeny. The pavement preservation work consists of:</p> <ul style="list-style-type: none">•Pavement Crack and Joint Preservation project for sawing, cleaning, and refilling of existing cracks and joints: 2024 – \$325,000 (construction) with incremental \$25,000 increases to \$425,000 in 2028.•Partial Depth Repair (PDR) Patching project for approximately 12-inch wide concrete pavement (adjacent to and including joints) that has deteriorated beyond the point of less expensive joint repair: 2024 – \$375,000 (construction) with incremental \$25,000 increases to \$475,000 in 2028. <p>Public Works Engineering Division staff completes the design and administers the construction for this program. Locations of the crack and joint refilling and also the partial depth repairs are determined by Engineering Division staff based on an annual field assessment of existing deteriorated street conditions throughout the City.</p>

Justification
<p>This program is very important in extending the useful life and improving the aesthetics of the City’s concrete streets. Public Works Engineering Division staff completes the design and administers the construction for this program. In 2024, the allocation will be used for joint and crack filling and/or partial depth repair to City streets (residential/collector/arterial) that are approximately 20 years old.</p> <p>These preventative maintenance measures are the primary and most economical means of extending the useful life of the City’s streets and maintaining the Pavement Condition Index (PCI), thereby reducing the need for more expensive pavement repair methods such as full depth patching and complete reconstruction. Industry standards published by the Concrete Pavement Technology Center (CP Tech Center) at Iowa State University recommend that pavement preservation be performed on existing streets every 8 to 10 years in order to extend their useful life.</p>

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

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

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

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # STR-00-003

Project Name Annual Pavement Preservation Program



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2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-00-004

Project Name Annual Street Replacement Program

Description

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

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

•2024:

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

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

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

•2025:

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

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

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

Justification

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

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

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

Budget Impact/Other

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

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

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # STR-00-004

Project Name Annual Street Replacement Program



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2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

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

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

Description

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

Justification

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

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

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

Budget Impact/Other

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

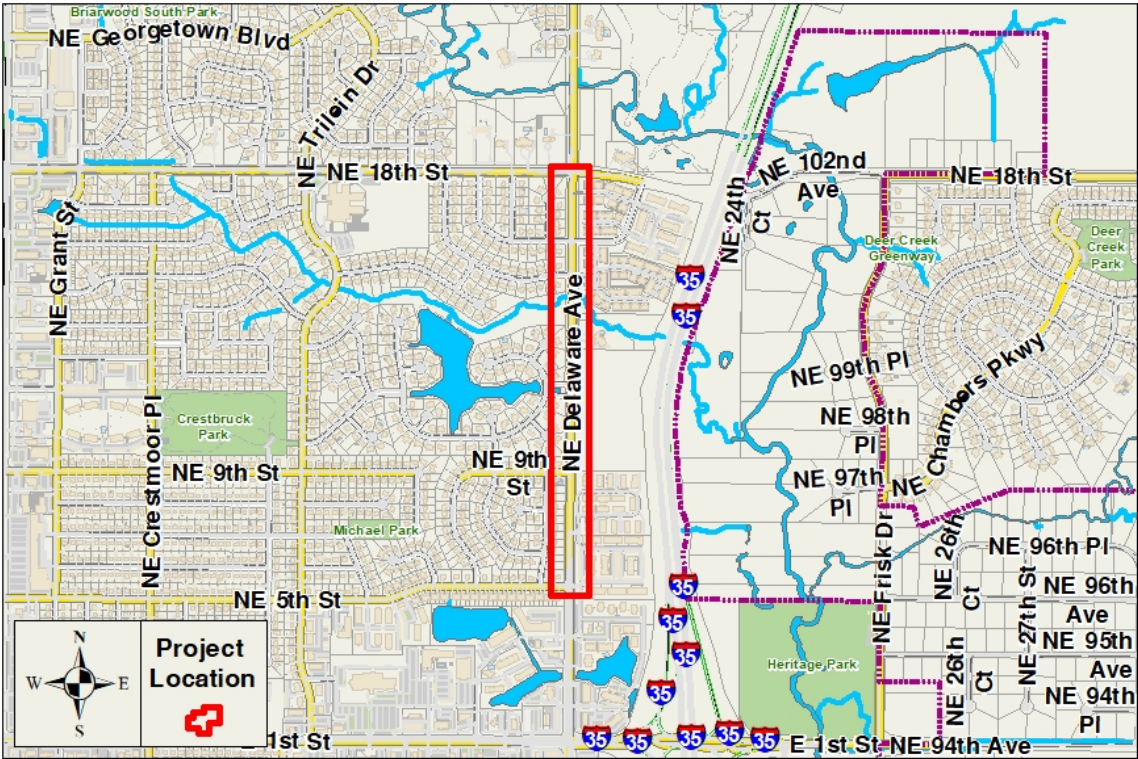
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	2,000	4,000	4,000	4,000	4,000	18,000
Utilities	3,500	6,000	6,000	6,000	6,000	27,500
Total	5,500	10,000	10,000	10,000	10,000	45,500

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

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

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

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		200,000	450,000			650,000
Engineering-Construction Services				425,000		425,000
Construction Costs				4,225,000		4,225,000
Street Lighting				50,000		50,000
Land/ROW Acquisition			50,000			50,000
Total		200,000	500,000	4,700,000		5,400,000
Funding Sources	2024	2025	2026	2027	2028	Total
Capital Project Fund		200,000	500,000	1,519,000		2,219,000
FHWA/IDOT Grants				1,250,000		1,250,000
G.O. Bonds - TIF Abated				1,931,000		1,931,000
Total		200,000	500,000	4,700,000		5,400,000

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

City of Ankeny, Iowa

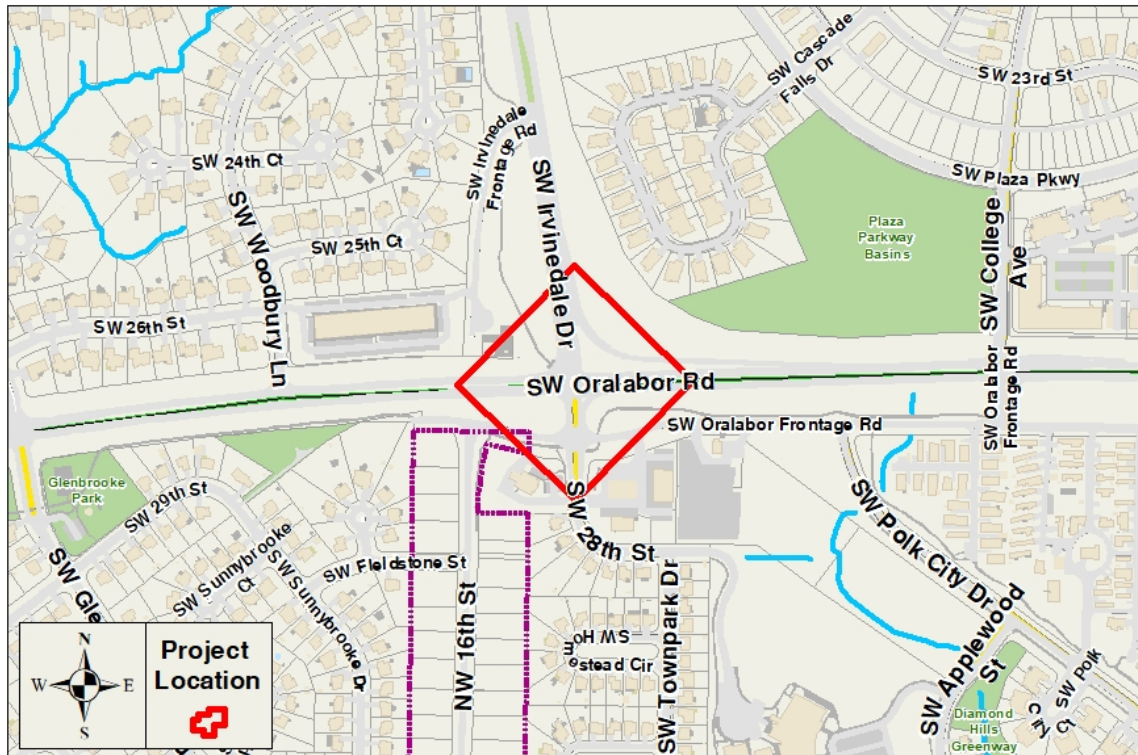
2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # **STR-16-003**

Project Name SW Oralabor Rd and SW Irvinedale Dr Intersection



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-18-003

Project Name NW 36th St Reconstruction-Irvinedale to Abilene

Description

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

Justification

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

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

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

Budget Impact/Other

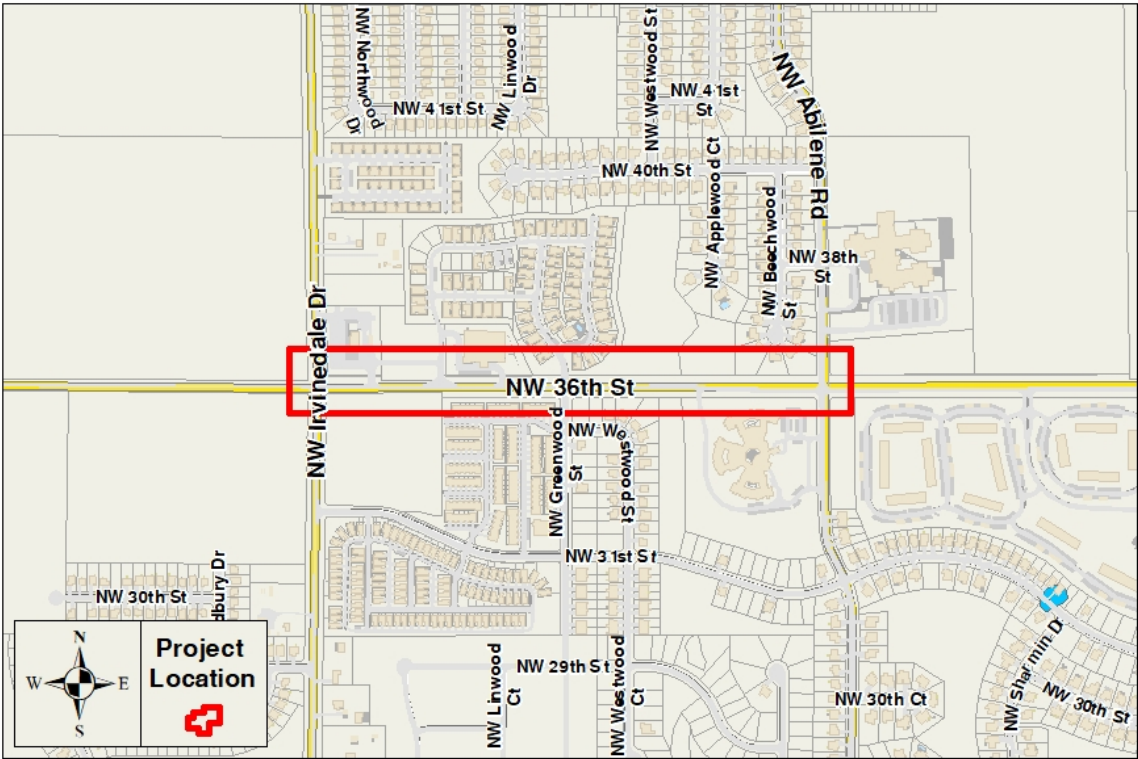
The additional public street pavement and 8 ft. sidewalk will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, replacing the existing asphalt roadway with a concrete street will reduce annual maintenance costs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

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-18-003
Project Name	NW 36th St Reconstruction-Irvinedale to Abilene



2024 - 2028 Capital Improvement Program

2024 thru 2028

City of Ankeny, Iowa

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

Project #	STR-18-004
Project Name	NW 18th Street Extension-Spruce to Highway 415

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

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

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

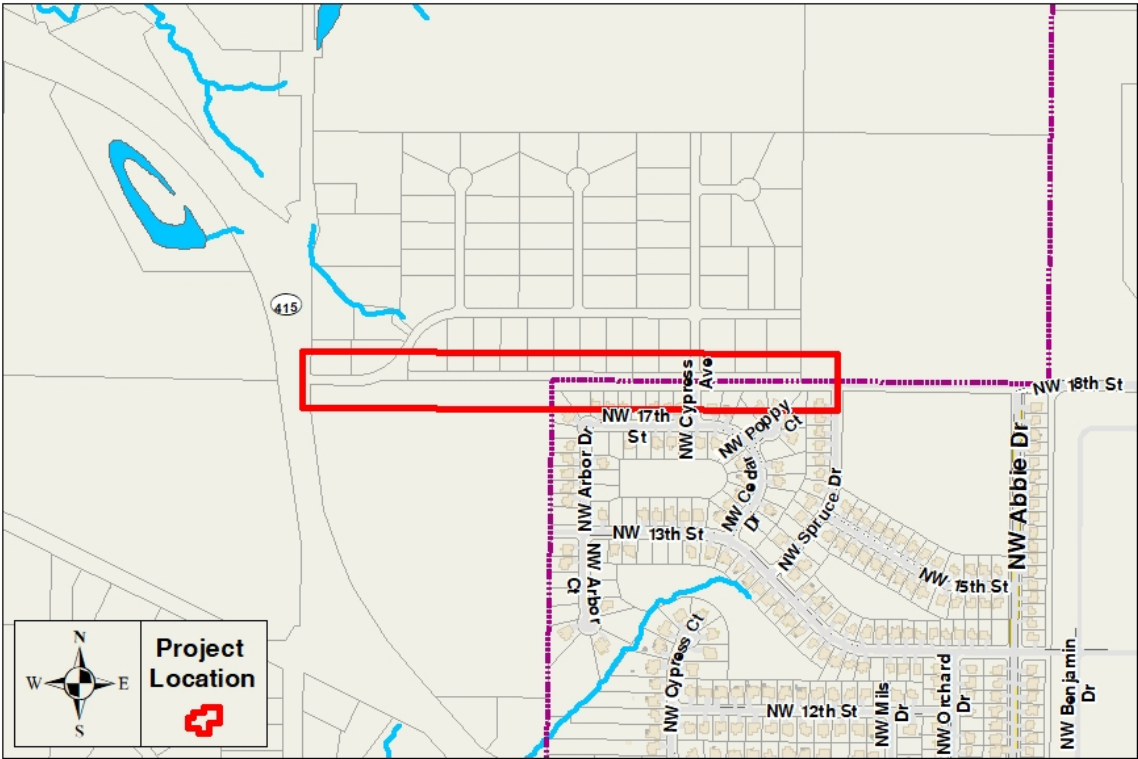
Budget Impact/Other
The added public street pavement and 8-ft. sidewalk will increase maintenance costs for the City due to the additional winter maintenance and street sweeping that will be required. In the long-term, the additional sanitary sewer, storm sewer and water main infrastructure will add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

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-18-004
Project Name	NW 18th Street Extension-Spruce to Highway 415



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	STR-19-004
Project Name	NW 36th St and NW Weigel Dr Asphalt Overlay

Description

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

Justification

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

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

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

Budget Impact/Other

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

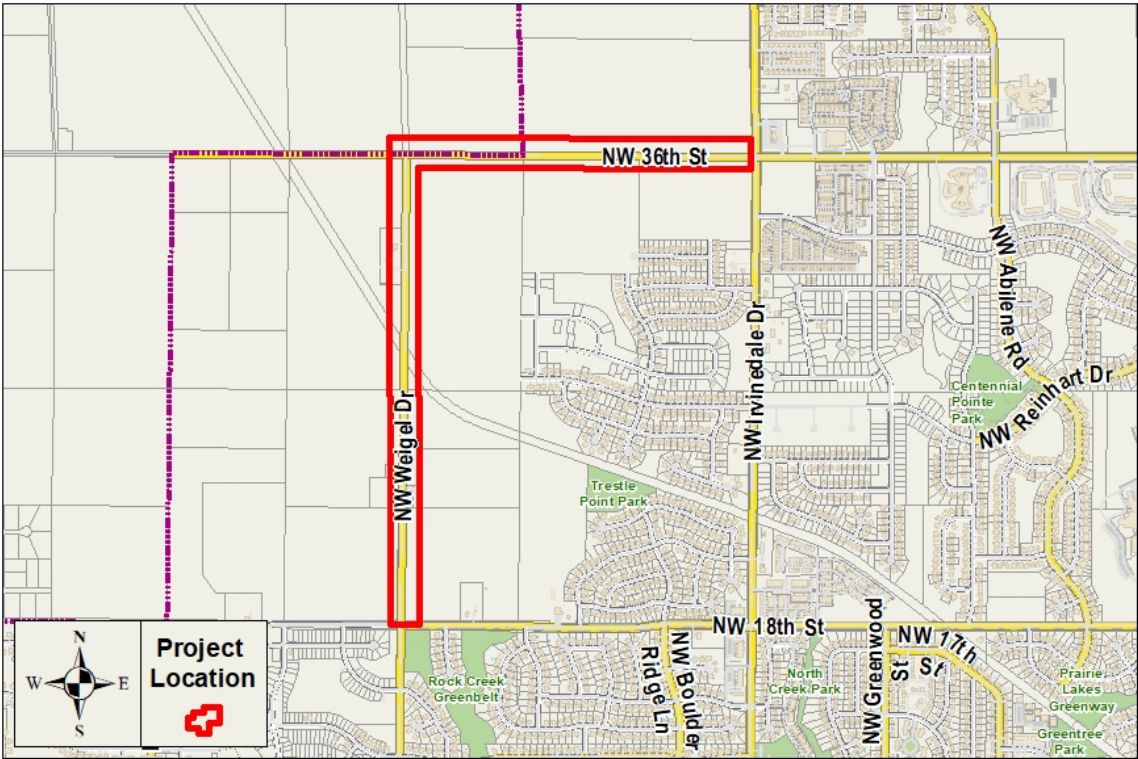
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		-30,000	-30,000	-30,000	-30,000	-120,000
Total		-30,000	-30,000	-30,000	-30,000	-120,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-19-004
Project Name	NW 36th St and NW Weigel Dr Asphalt Overlay



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

DepartmentPublic Works

ContactCity Engineer

TypeImprovement

Useful Life40 years

CategoryStreets and Alleys

Project #	STR-19-006
Project Name	SW Oralabor Rd and SW Edgewood Ln Intersection

Description

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

Justification

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

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

Budget Impact/Other

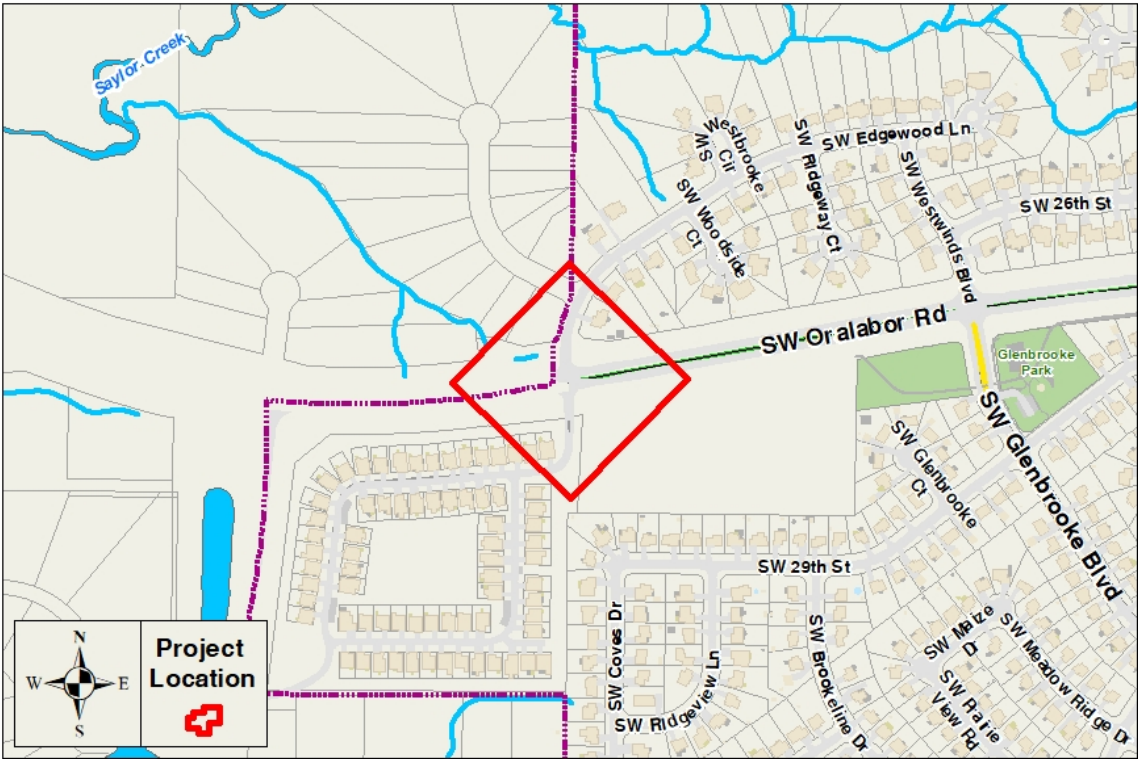
The Iowa DOT maintains SW Oralabor Road (Iowa Highway 415), so this project would not have an operating impact on the City.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-19-006
Project Name	SW Oralabor Rd and SW Edgewood Ln Intersection



City of Ankeny, Iowa

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

Project Name SW Oralabor Rd and SW State St Intersection

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

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

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

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

Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs	500	500	500	500	500	2,500
Total	500	500	500	500	500	2,500

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	STR-21-004
Project Name	NW Irvinedale Dr and NW 18th St Intersection

Description

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

Justification

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

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

Budget Impact/Other

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

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

City of Ankeny, Iowa

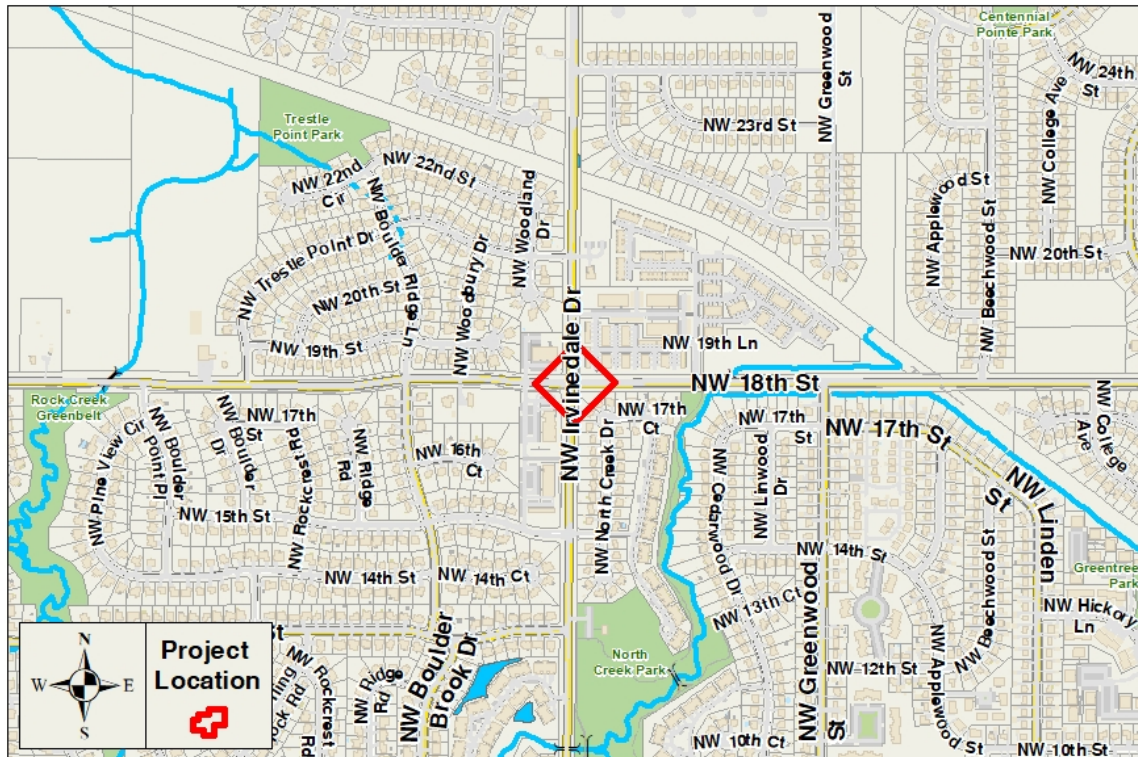
2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # **STR-21-004**

Project Name NW Irvinedale Dr and NW 18th St Intersection



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-21-005

Project Name South Ankeny Blvd and SE Orallabor Rd Safety Impr

Description

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		125,000	250,000	175,000		550,000
Engineering-Construction Services					225,000	225,000
Construction Costs					3,500,000	3,500,000
Land/ROW Acquisition				200,000		200,000
Total		125,000	250,000	375,000	3,725,000	4,475,000
Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants					1,000,000	1,000,000
G.O. Bonds - TIF Abated		125,000	250,000	375,000	2,285,000	3,035,000
MPO/STBG Grants					440,000	440,000
Total		125,000	250,000	375,000	3,725,000	4,475,000

Budget Impact/Other

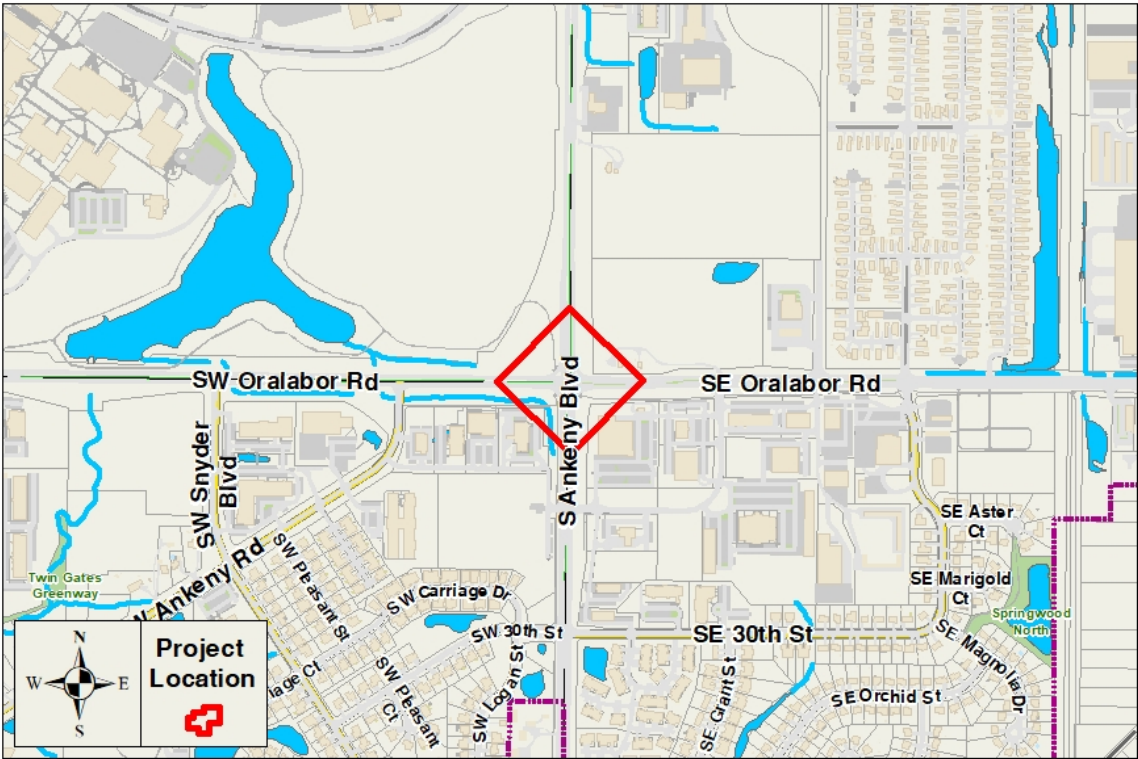
Iowa DOT maintains U.S. Highway 69 and Iowa Highway 160, so they would be responsible for snow removal and maintenance of the additional public street pavement at all of the intersection's approaches. The traffic signal improvements will replace existing City-owned infrastructure, so impacts to utility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

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-21-005
Project Name	South Ankeny Blvd and SE Oralabor Rd Safety Impr



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-22-003

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

Description

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	400,000	775,000				1,175,000
Engineering-Construction Services			375,000	400,000		775,000
Construction Costs			3,800,000	4,000,000		7,800,000
Street Lighting			75,000	75,000		150,000
Land/ROW Acquisition		100,000				100,000
Total	400,000	875,000	4,250,000	4,475,000		10,000,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds - TIF Abated	400,000	875,000	2,826,750	3,051,750		7,153,500
MPO/STBG Grants			1,423,250	1,423,250		2,846,500
Total	400,000	875,000	4,250,000	4,475,000		10,000,000

Budget Impact/Other

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

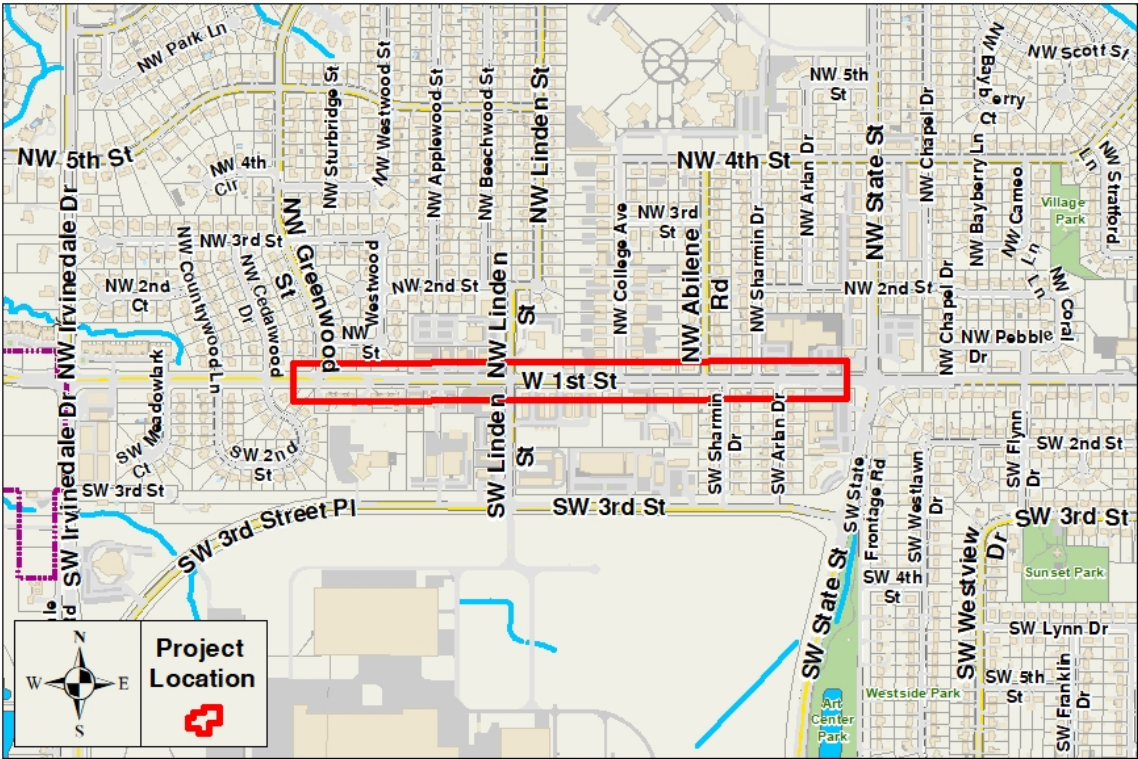
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs					1,000	1,000
Utilities				1,500	3,250	4,750
Total				1,500	4,250	5,750

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-22-003
Project Name	West 1st Street Widening and Improvements-Phase 2



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-22-004

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

Description

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

Justification

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

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

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		100,000	400,000	4,500,000	100,000	5,100,000
Total		100,000	400,000	4,500,000	100,000	5,100,000

Budget Impact/Other

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

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

City of Ankeny, Iowa

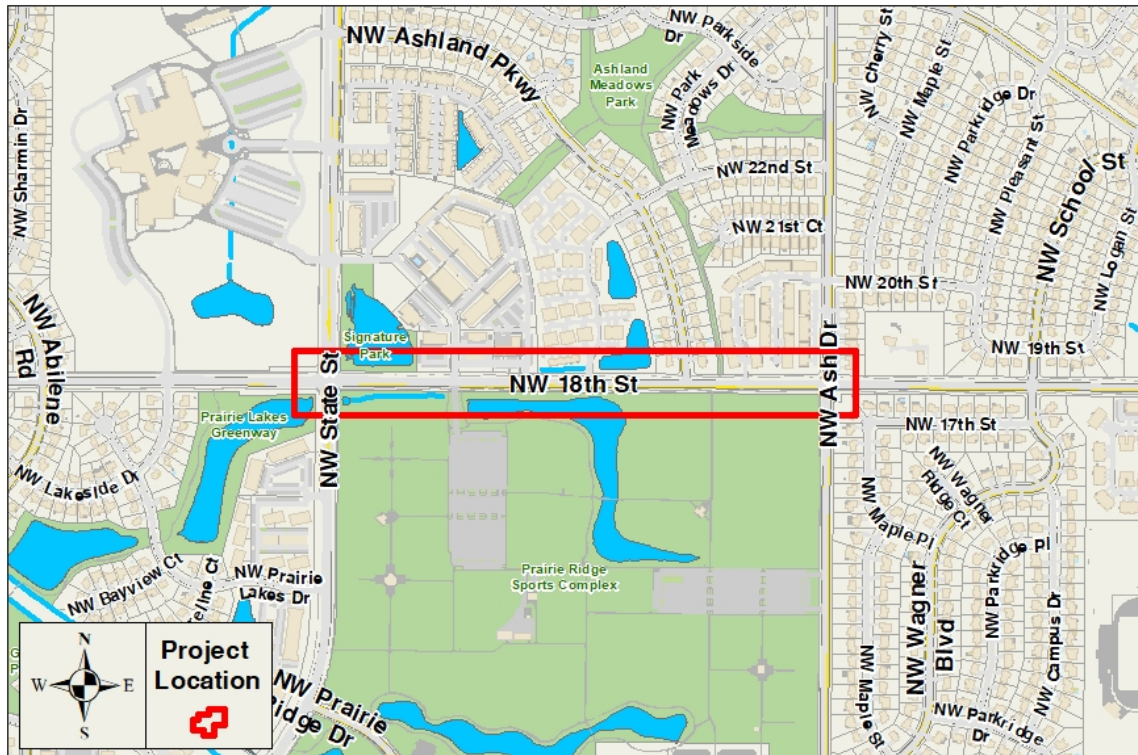
2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # **STR-22-004**

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-23-001

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

Description

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	300,000					300,000
Engineering-Construction Services		300,000	25,000			325,000
Construction Costs		5,400,000	250,000			5,650,000
Land/ROW Acquisition	200,000					200,000
Total	500,000	5,700,000	275,000			6,475,000

Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants	35,000	3,750,000				3,785,000
G.O. Bonds	465,000	1,950,000	275,000			2,690,000
Total	500,000	5,700,000	275,000			6,475,000

Budget Impact/Other

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

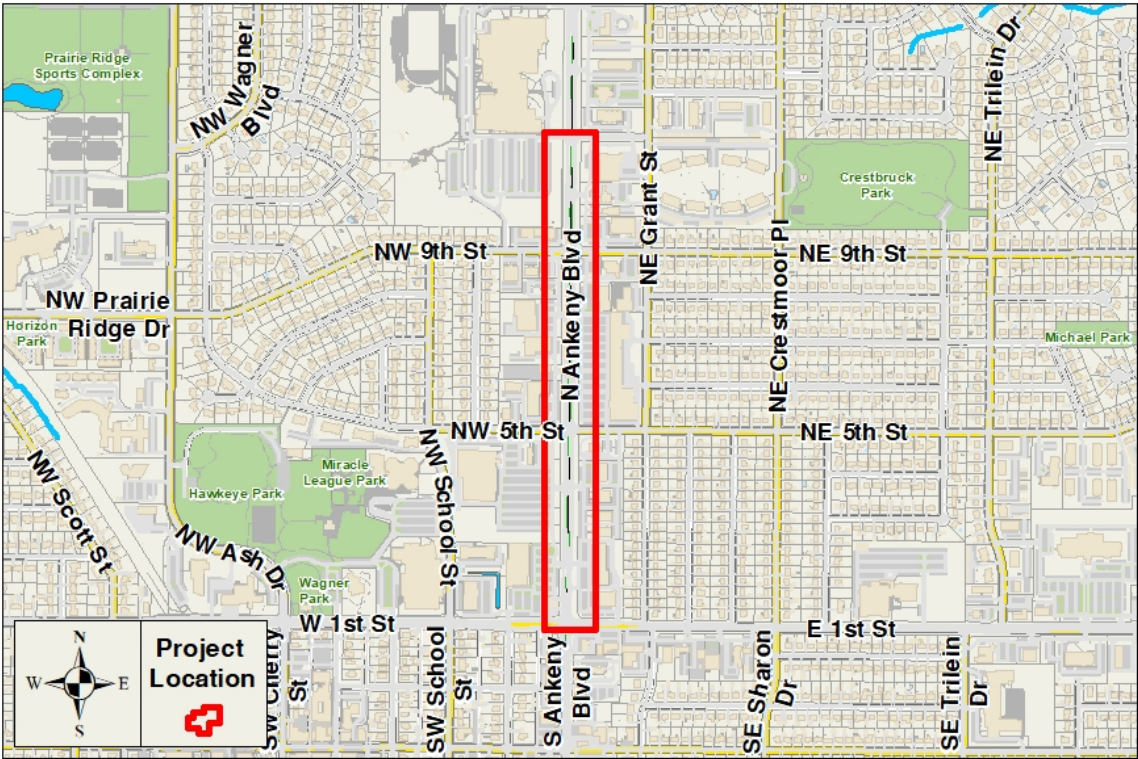
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs			250	750	750	1,750
Utilities				1,000	1,000	2,000
Total			250	1,750	1,750	3,750

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-23-001
Project Name	N Ankeny Boulevard Improvements-1st St to 11th St



2024 - 2028 Capital Improvement Program

2024 thru 2028

City of Ankeny, Iowa

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

Project #	STR-23-002
Project Name	NE Delaware Reconstruction-Four Mile to NE 36th

Description
Reconstruction of NE Delaware Avenue from a two-lane rural roadway to an urban section (either three-lane or five-lane) with two-way left turn lanes from Four Mile Creek to NE 36th Street, depending upon the results of a consultant-prepared traffic study in conjunction with the conceptual design of the project.
The project may also include either a new Rectangular Rapid Flashing Beacon (RRFB) or a High Intensity Activated Crosswalk (HAWK) signal at the NE Delaware Avenue and NE 28th Street intersection. It is currently assumed that the existing traffic signal at the NE Delaware Avenue and NE 36th Street intersection would not be modified or replaced, and that no other signals would be necessary along the corridor as a part of the planned improvements. Other construction improvements are expected to include storm sewer and subdrain. It is anticipated that sanitary sewer and water main improvements would be minimal.

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

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

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

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

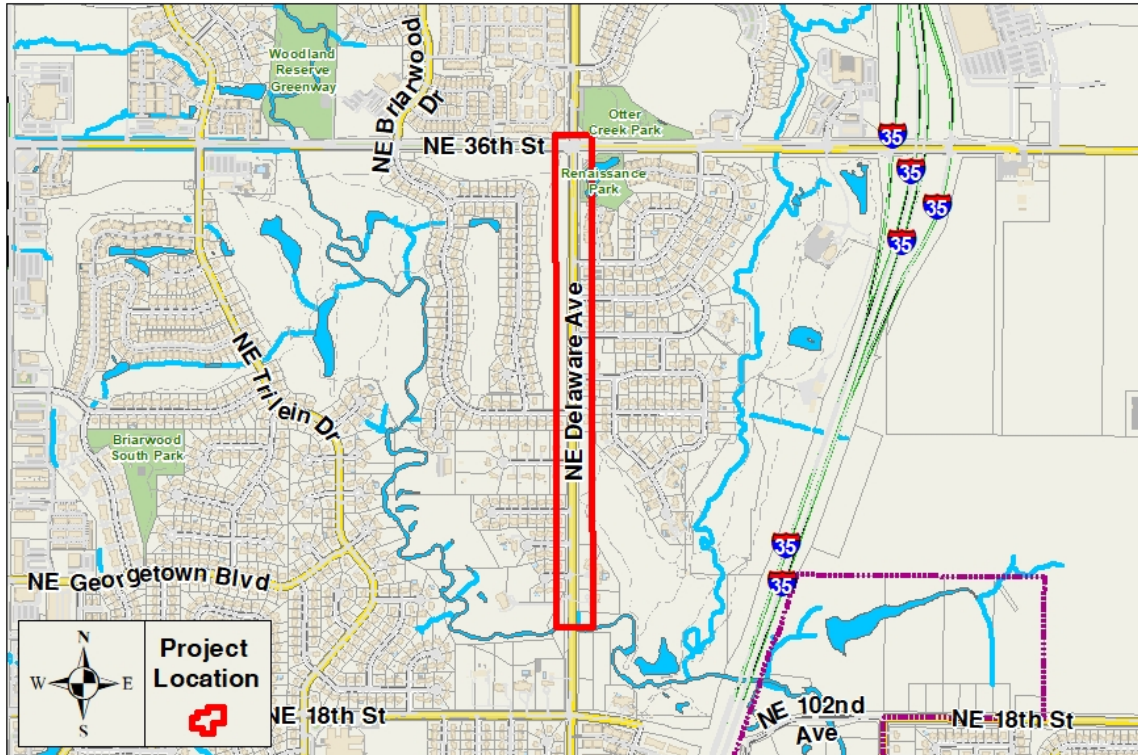
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-23-002

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type Improvement

Useful Life 40 years

Category Streets and Alleys

Project # STR-23-005

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

Description

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

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

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

Justification

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

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

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

Budget Impact/Other

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

City of Ankeny, Iowa

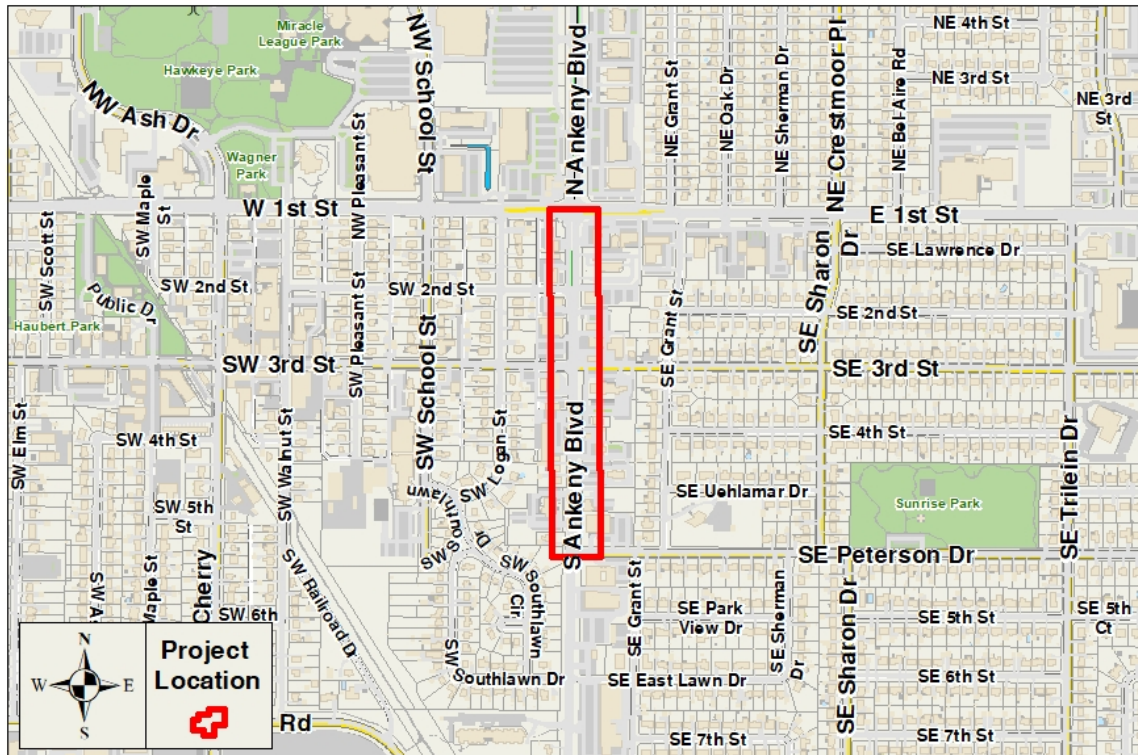
2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # **STR-23-005**

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	STR-23-006
Project Name	SW Magazine & State St Intersection Improvements

Description

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	40,000					40,000
Construction Costs	425,000					425,000
Land/ROW Acquisition	10,000					10,000
Total	475,000					475,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	475,000					475,000
Total	475,000					475,000

Budget Impact/Other

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

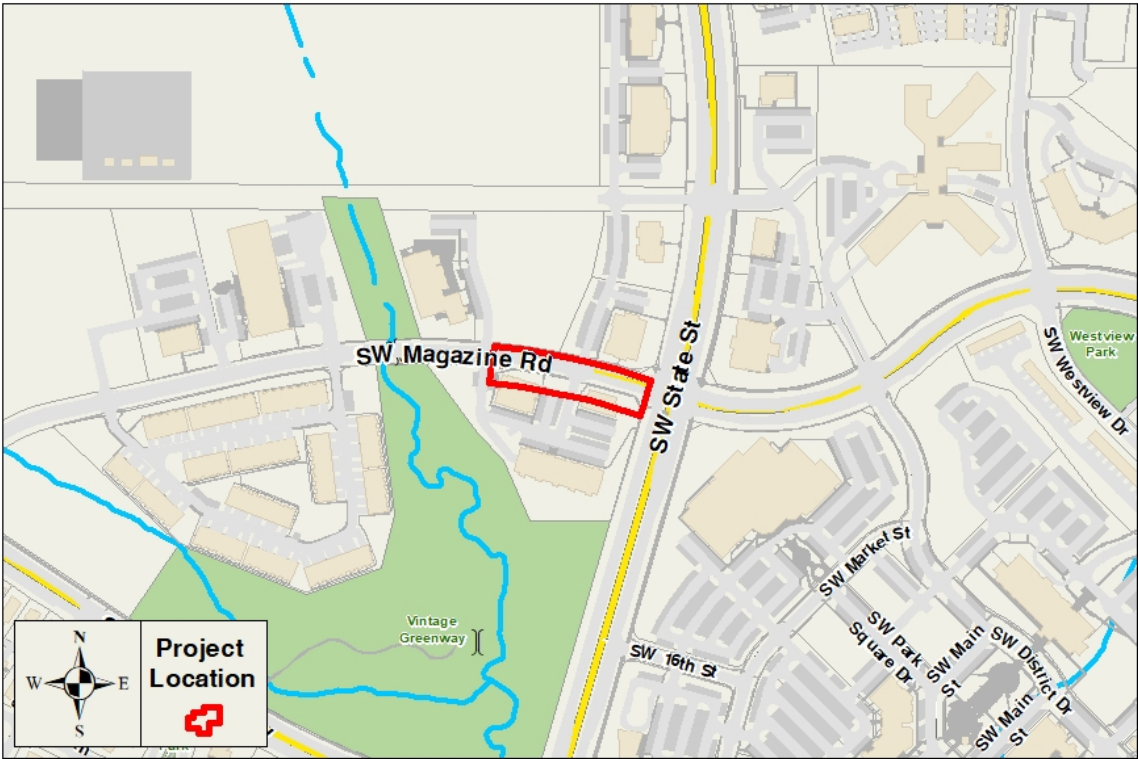
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		150	150	150	150	600
Total		150	150	150	150	600

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-23-006
Project Name	SW Magazine & State St Intersection Improvements



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	STR-24-001
Project Name	NW Prairie Ridge Dr/9th St & Ash Dr Intersection

Description

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

Justification

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

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

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	200,000	215,000	4,160,000			4,575,000
Total	200,000	215,000	4,160,000			4,575,000

Budget Impact/Other

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

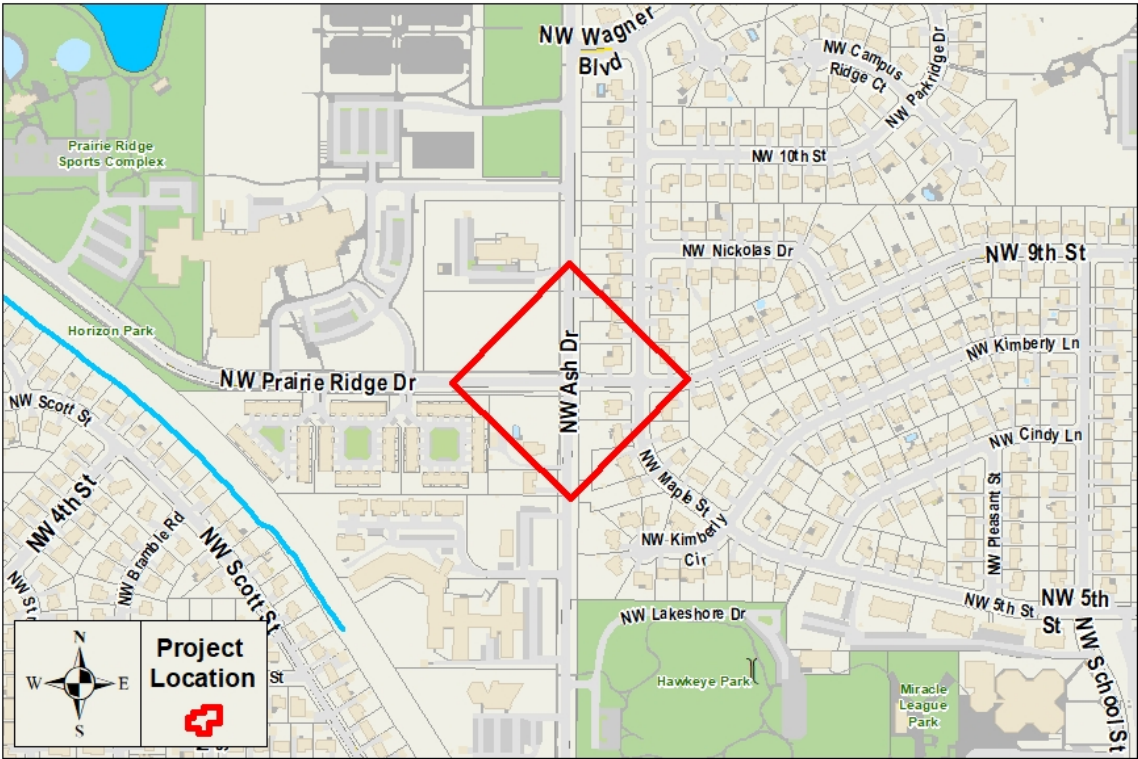
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs				500	500	1,000
Utilities				1,300	1,300	2,600
Total				1,800	1,800	3,600

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	STR-24-001
Project Name	NW Prairie Ridge Dr/9th St & Ash Dr Intersection



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

Project #	STR-24-002
Project Name	NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv

Description

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

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design		150,000				150,000
Engineering-Construction Services			75,000			75,000
Construction Costs			975,000			975,000
Total		150,000	1,050,000			1,200,000

Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds		150,000	1,050,000			1,200,000
Total		150,000	1,050,000			1,200,000

Budget Impact/Other

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

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

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

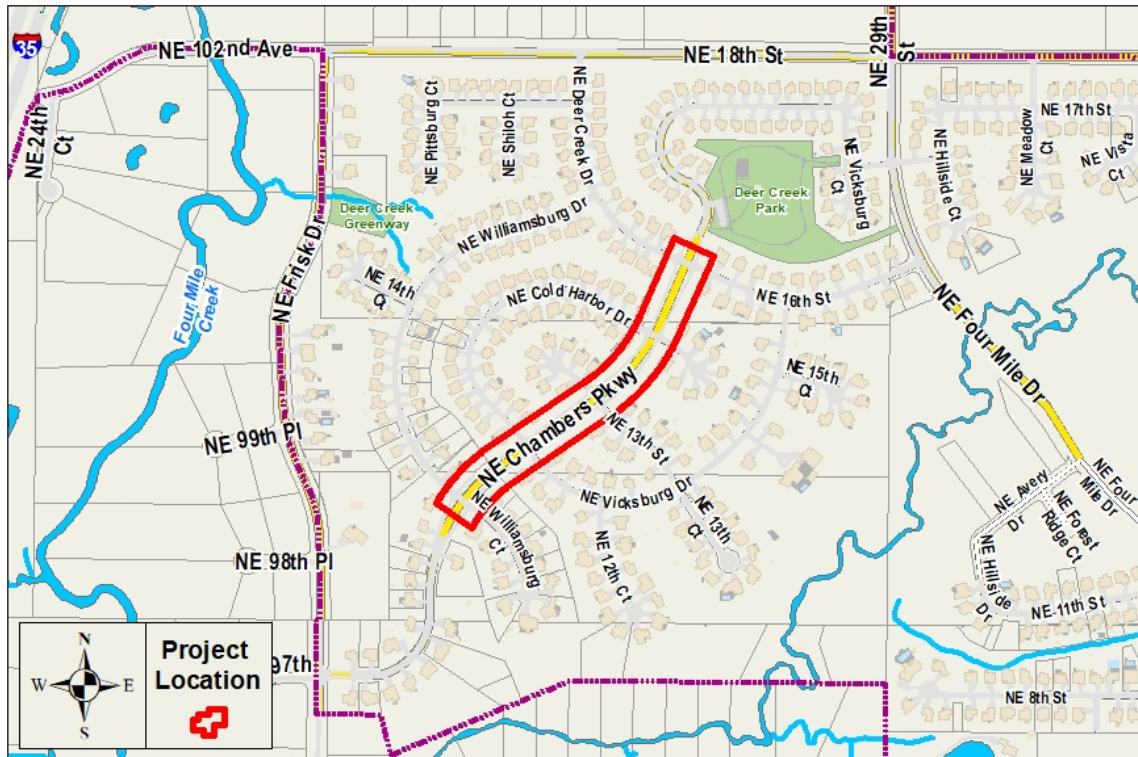
City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Project # STR-24-002

Project Name NE Chambers Pkwy Pavement & Pedestrian Ramp Imprv



2024 - 2028 Capital Improvement Program

2024 thru 2028

City of Ankeny, Iowa

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

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

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

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	325,000					325,000
Construction Costs	1,700,000					1,700,000
Total	2,025,000					2,025,000
Funding Sources	2024	2025	2026	2027	2028	Total
FHWA/IDOT Grants	925,000					925,000
Private Contributions	1,100,000					1,100,000
Total	2,025,000					2,025,000

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

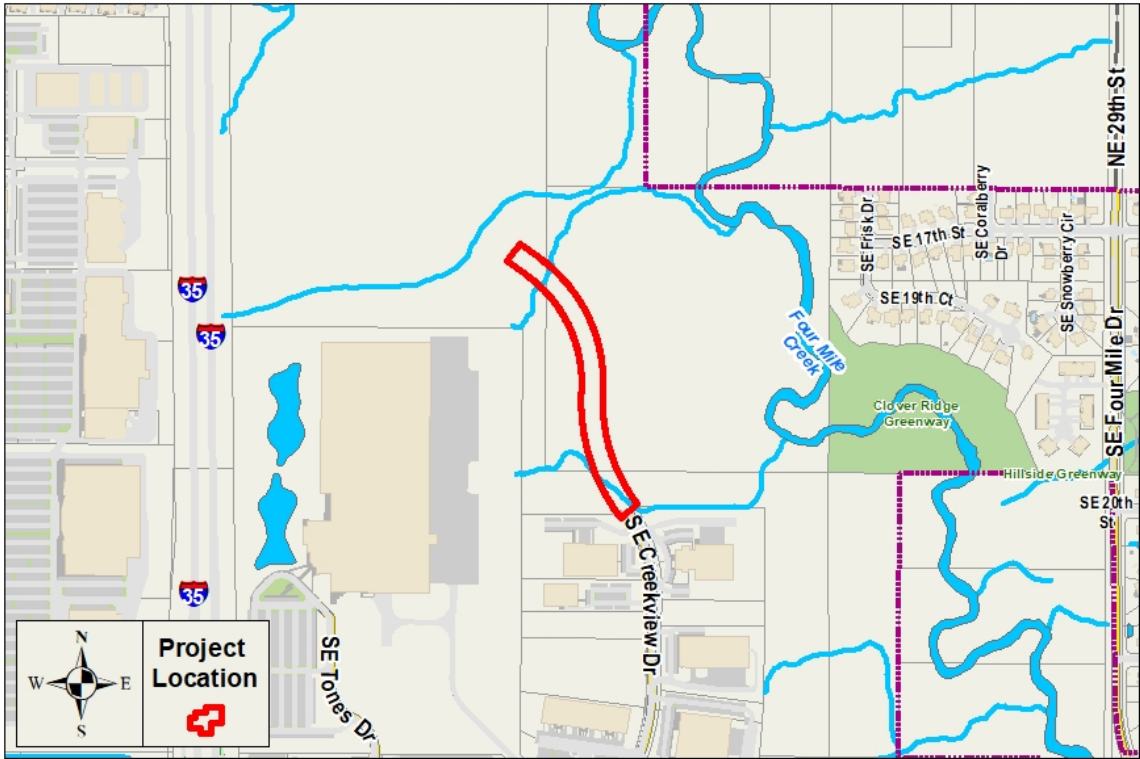
Budget Items	2024	2025	2026	2027	2028	Total
Maintenance Costs		1,000	1,000	1,000	1,000	4,000
Utilities		2,500	2,500	2,500	2,500	10,000
Total		3,500	3,500	3,500	3,500	14,000

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

Department Public Works

Contact City Engineer

Type New Construction

Useful Life 20 years

Category Traffic Control

Project # TRF-00-001

Project Name Annual Traffic Signal Improvement Program

Description

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

2024 – SE Delaware Avenue signal equipment upgrades: SE National Drive to SE Magazine Road - \$400,000

2024 – SE Delaware Avenue and SE 54th Street traffic signal - \$662,000

2024 – SE Delaware Avenue and private drive traffic signal cost share - \$195,000

2024 – East 1st Street and Four Mile Drive traffic signal and left turn lanes cost share - \$307,000

2024 – Miscellaneous traffic control upgrades: anticipated – South Ankeny Boulevard and SE Oralabor Road pan-tilt-zoom (PTZ) camera installation and NW 5th Street and NW School Street rectangular rapid flashing beacons installation - \$40,000

2025 – SE Oralabor Road and SE Four Mile Drive traffic signal - \$140,000

2025 – SW State Street and NW 72nd Place westbound right-turn lane and signal upgrade - \$330,000

2025 – South Ankeny Boulevard and SE 8th Street traffic signal - \$325,000

2026 – SE Oralabor Road and SE Four Mile Drive traffic signal - \$570,000

2026 – South Ankeny Boulevard and SE Lorenz Drive traffic signal replacement - \$325,000

2025 – 2028 – Concept studies - \$40,000 per year

2025 – 2028 – Miscellaneous traffic control upgrades - \$40,000 per year

2025 – 2028 – Cost-sharing for traffic signal improvements constructed by developer - \$150,000 per year

2026 – 2028 – Traffic signal and fiber optic projects, TBD - \$710,000 per year

2027 – 2028 – Traffic signal replacements, TBD – \$330,000 per year

2027 – 2028 – Fiber optic upgrades, TBD - \$220,000 per year

Justification

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Design	54,000	100,000	125,000	150,000	150,000	579,000
Construction Costs	1,300,000	810,000	910,000	1,240,000	1,240,000	5,500,000
Other Costs	250,000	115,000	150,000	100,000	100,000	715,000
Total	1,604,000	1,025,000	1,185,000	1,490,000	1,490,000	6,794,000

Funding Sources	2024	2025	2026	2027	2028	Total
County Contributions		50,000				50,000
G.O. Bonds	1,514,000	975,000	1,185,000	1,490,000	1,490,000	6,654,000
Private Contributions	90,000					90,000
Total	1,604,000	1,025,000	1,185,000	1,490,000	1,490,000	6,794,000

Budget Impact/Other

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

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

2024 - 2028 Capital Improvement Program

City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works

Contact City Engineer

Project # TRF-00-001

Project Name Annual Traffic Signal Improvement Program



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Ankeny

bringing it all together

2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

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

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

Description

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

Justification

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

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

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

Budget Impact/Other

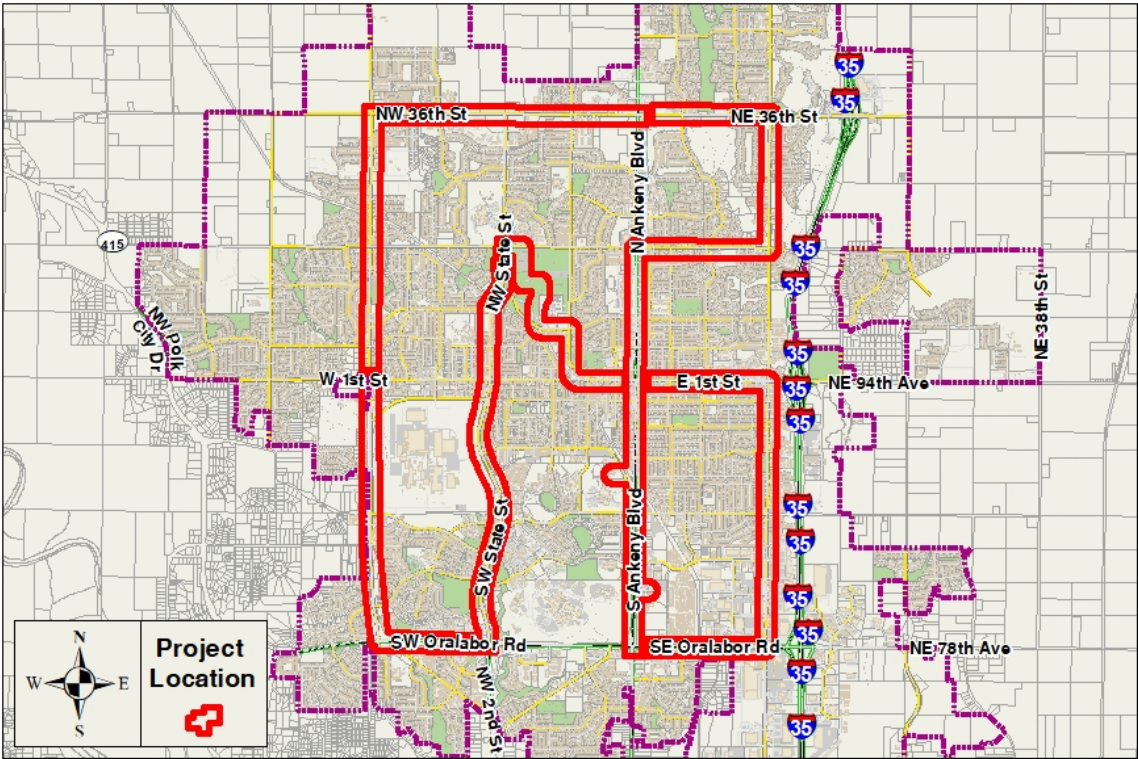
The project upgrades the City’s existing fiber optic system to provide more reliable service and reduce outages, so a minimal impact to operating costs is expected.

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

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



2024 - 2028 Capital Improvement Program

2024 *thru* 2028

City of Ankeny, Iowa

DepartmentPublic Works

ContactCity Engineer

TypeNew Construction

Useful Life20 years

CategoryTraffic Control

Project #	TRF-23-002
Project Name	SE Corporate Woods and Crosswinds Traffic Signal

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

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

Expenditures	2024	2025	2026	2027	2028	Total
Engineering-Construction Services	5,000					5,000
Construction Costs	380,000					380,000
Other Costs	100,000					100,000
Total	485,000					485,000
Funding Sources	2024	2025	2026	2027	2028	Total
G.O. Bonds	405,000					405,000
Private Contributions	80,000					80,000
Total	485,000					485,000

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

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

2024 - 2028 Capital Improvement Program
City of Ankeny, Iowa

2024 *thru* 2028

Department Public Works
Contact City Engineer

Project #	TRF-23-002
Project Name	SE Corporate Woods and Crosswinds Traffic Signal

