

*Water
Utility*

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

East Lincoln Watermain Replacement

Department: Water Utility

Reference Number: 360-13-296

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on East Lincoln Avenue.

PROJECT DESCRIPTION: Replace approximately 1300 linear feet of 4" watermain with an 8" watermain on East Lincoln Avenue between South Main Street and Grand Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection for the area. This watermain has broken numerous times in the past. The watermain replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$198,000				
Less Disposals					
NET COST	\$198,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

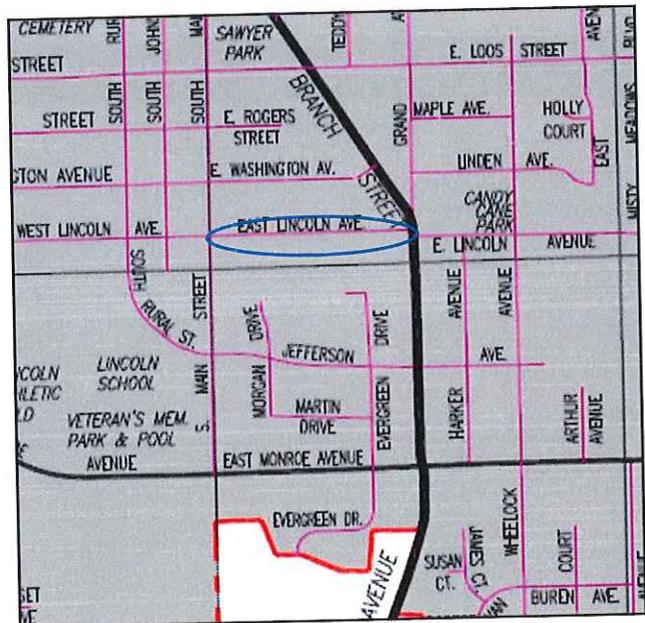
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

East Lincoln Watermain Replacement

Reference Number: 360-13-296

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1300 L.F.	\$145	\$188,500	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$4,500	Retained Earnings
TOTAL PROJECT			\$198,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

High Street Water System Upgrade

Department: Water Utility

Reference Number: 360-15-299

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Abandon the 8" watermain on High Street.

PROJECT DESCRIPTION: Abandon the 8" watermain on High Street between Center Street and North Main Street and connect the service laterals to the existing 10" watermain.

PROJECT JUSTIFICATION: Two watermains are not needed in this area. Abandoning the older and smaller watermain will increase reliability and simplify the water system in this area. This project is coordinated with the road reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$35,000				
Less Disposals					
NET COST	\$35,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

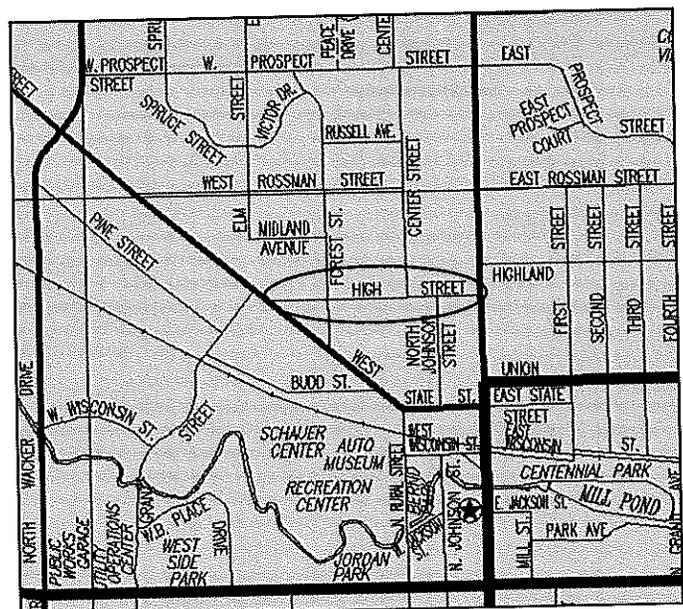
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

High Street Water System Upgrade

Reference Number: 360-15-299

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water				
Water—Relocate Facilities			\$28,400	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$2,500	Retained Earnings
Force Labor				
Contingencies			\$4,100	Retained Earnings
TOTAL PROJECT			\$35,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Wacker Drive Bridge Watermain Replacement

Department: Water Utility

Reference Number: 360-16-304

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Relocate watermain to accommodate the reconstruction of the bridge.

PROJECT DESCRIPTION: Replace approximately 360 L.F. of 10" watermain with a 12" watermain on Wacker Drive between West Wisconsin Street and the south side of the bridge.

PROJECT JUSTIFICATION: The original intent of this project was to upgrade the watermain as part of the bridge reconstruction project. However, the watermain broke in this area earlier this spring which required the watermain to be isolated until repairs are made. Ultimately, the replacement will allow for increased water pressure and fire protection and will promote system reliability for the area.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$139,000				
Less Disposals					
NET COST	\$139,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

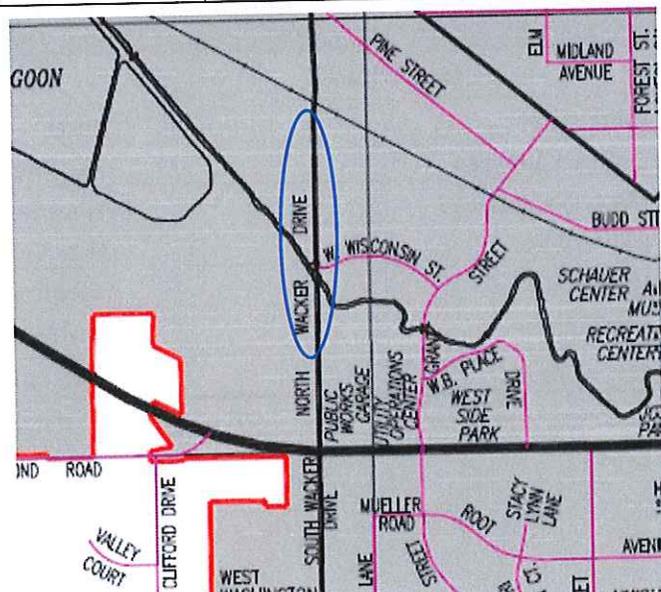
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Wacker Drive Bridge Watermain Replacement

Reference Number: 360-16-304

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water—Excavate	70 L.F.	\$165	\$11,550	Retained Earnings
Water—Bore	290 L.F.	\$400	\$116,000	
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$6,450	Retained Earnings
TOTAL PROJECT			\$139,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		X
3	X	
4		
Scheduled	2020	2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Monroe Avenue Watermain Replacement

Department: Water Utility

Reference Number: 360-17-308

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on Monroe Avenue.

PROJECT DESCRIPTION: Replace approximately 1,140 linear feet of 10" watermain with a 10" watermain on Monroe Avenue between South Main Street and Evergreen Avenue.

PROJECT JUSTIFICATION: This section of watermain is aging and has broken numerous times in the past year. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$187,000				
Less Disposals					
NET COST	\$187,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

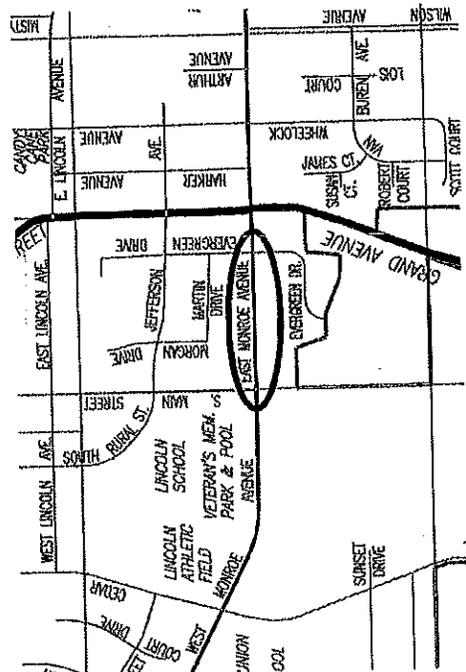
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

Monroe Avenue Watermain Replacement

Reference Number: 360-17-308

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1140 L.F.	\$155	\$176,700	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,300	Retained Earnings
TOTAL PROJECT			\$187,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

South Wilson & Van Buren Intersection Watermain Replacement

Department: Water Utility

Reference Number: 360-17-309

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on South Wilson Avenue.

PROJECT DESCRIPTION: Replace approximately 160 linear feet of 10" cast iron watermain with a 10" ductile iron watermain at the intersection of South Wilson Avenue and Van Buren Avenue.

PROJECT JUSTIFICATION: The watermain on South Wilson Avenue south of Van Buren Avenue is radially fed. Any water breaks occurring at this intersection would disrupt service to all customers south of the intersection until repairs are complete. Replacing the watermain at this intersection will increase reliability until the watermain is looped in the future.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost	\$33,000				
Less Disposals					
NET COST	\$33,000				

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2017 PROJECT YEAR

South Wilson & Van Buren Intersection Watermain Replacement

Reference Number: 360-17-309

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	160 L.F.	\$155	\$24,800	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$3,400	Retained Earnings
Force Labor				
Contingencies			\$4,800	Retained Earnings
TOTAL PROJECT			\$33,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2017



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

West Rossman Street Watermain Replacement

Department: Water Utility

Reference Number: 360-01-213

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on West Rossman Street.

PROJECT DESCRIPTION: Replace approximately 500 linear feet of 4" and 600 linear feet of 6" watermain with an 8" watermain on West Rossman Street between Elm Street and Center Street.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This section of watermain has broken numerous times in the past and the DNR code requires the replacement of all 4" watermains. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$169,000			
Less Disposals					
NET COST		\$169,000			

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

West Rossman Street Watermain Replacement

Reference Number: 360-01-213

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1100 L.F.	\$145	\$159,500	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$4,500	Retained Earnings
TOTAL PROJECT			\$169,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2018	2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Maple Avenue Watermain Replacement

Department: Water Utility

Reference Number: 360-06-269

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on Maple Avenue.

PROJECT DESCRIPTION: Replace approximately 700 linear feet of 4" watermain with an 8" watermain on Maple Avenue between Wheelock Avenue and Grand Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection for the area. The DNR code requires the replacement of 4" watermain. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$111,000			
Less Disposals					
NET COST		\$111,000			

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

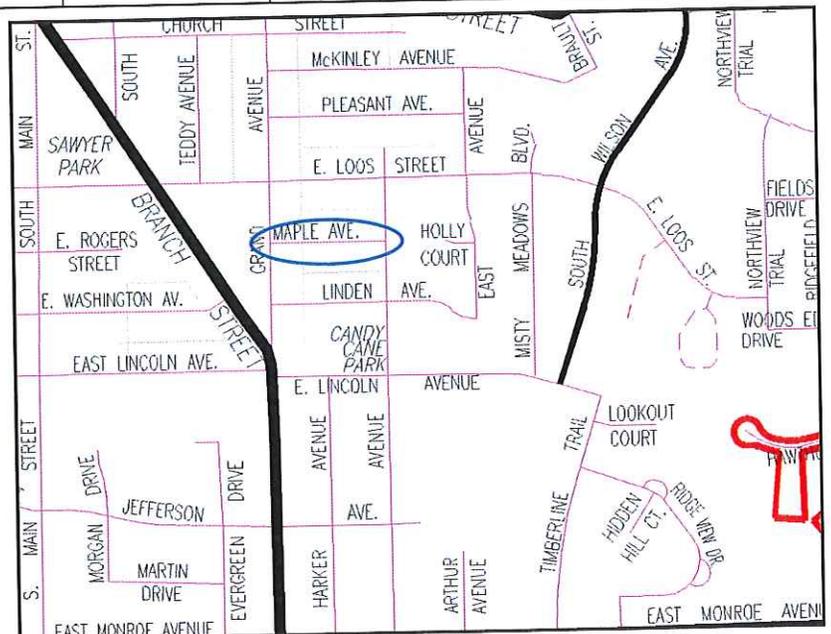
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Maple Avenue Watermain Replacement

Reference Number: 360-06-269

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	700 L.F.	\$145	\$101,500	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$4,500	Retained Earnings
TOTAL PROJECT			\$111,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2018	2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Harrison Street Watermain Replacement

Department: Water Utility

Reference Number: 360-11-283

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on Harrison Street.

PROJECT DESCRIPTION: Replace approximately 1,350 linear feet of 6" watermain with a 10" watermain on Harrison Street between Cedar Street and Birch Lane.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection for the area. This section of watermain is aging and has broken numerous times in the past. This replacement is also coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$220,000			
Less Disposals					
NET COST		\$220,000			

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

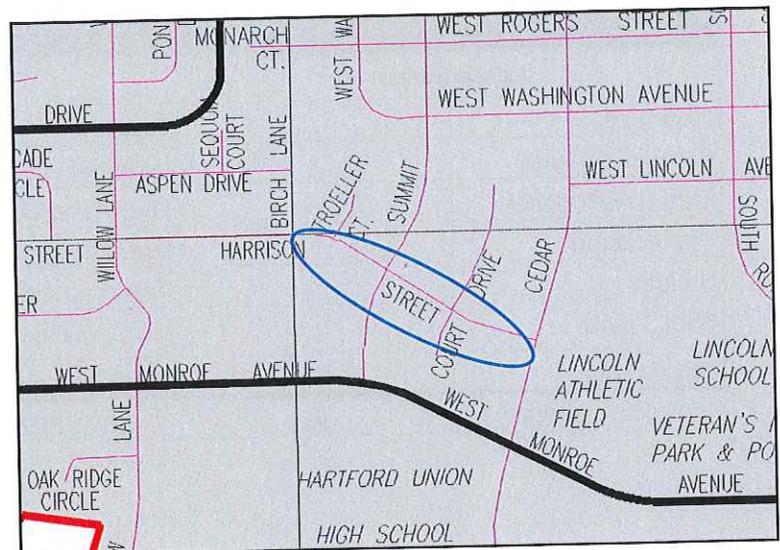
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Harrison Street Watermain Replacement

Reference Number: 360-11-283

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1350 L.F.	\$155	\$209,250	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,750	Retained Earnings
TOTAL PROJECT			\$220,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Cedar Street Watermain Replacement

Department: Water Utility

Reference Number: 360-11-285

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on Cedar Street.

PROJECT DESCRIPTION: Replace approximately 800 linear feet of 6" watermain with a 10" watermain on Cedar Street between Harrison Avenue and Lincoln Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection for the area and promotes system reliability for the area. This section of watermain is old and has broken numerous times in the past. This project is coordinated with a street resurfacing project

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$134,000			
Less Disposals					
NET COST		\$134,000			

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

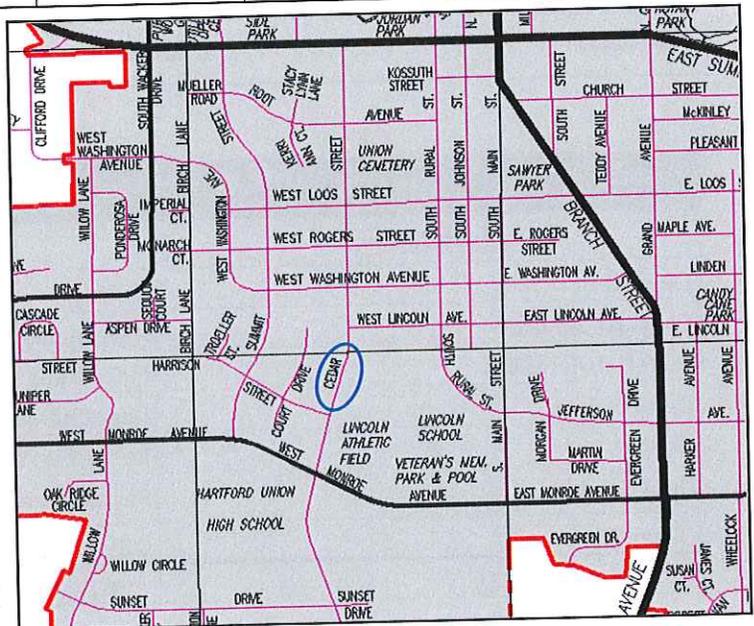
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Cedar Street Watermain Replacement

Reference Number: 360-11-285

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	800 L.F.	\$155	\$124,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$134,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Water Tower Exterior Overcoat

Department: Water Utility

Reference Number: 360-17-310

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Annually monitor the existing exterior paint system on the 300,000 gallon water tower on Monroe Avenue to extend the life of the current paint system.

PROJECT DESCRIPTION: Visually inspect the exterior paint system annually to determine if recoating is needed. When recoating is required, a contractor will pressure wash the exterior to remove any delamination or flaking and contaminants. Any coating failures will be spot cleaned and primed. One coat of epoxy and two coats of polyurethane will be applied to the entire tower.

PROJECT JUSTIFICATION: This tower was inspected in 2016 and the inspection report recommends monitoring the exterior paint system over the next few years and applying an overcoat as needed. Overcoating the tower will extend the life of the existing paint system for approximately 15 years which prevents the need to sandblast and paint the tower prematurely.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost		\$100,000			
Less Disposals					
NET COST		\$100,000			

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

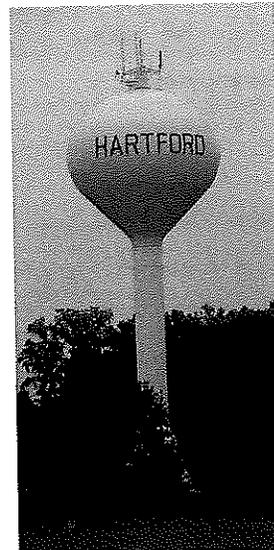
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2018 PROJECT YEAR

Water Tower Exterior Overcoat

Reference Number: 360-17-310

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water			\$95,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.				
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$100,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3		X
4		
Scheduled		2018



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Fifth Street Watermain Replacement

Department: Water Utility

Reference Number: 360-02-226

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on Fifth Street.

PROJECT DESCRIPTION: Replace approximately 580 linear feet of 4" watermain with a 10" watermain on Fifth Street between Union Street and East Wisconsin Street.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection for the area. The DNR code requires the replacement of 4" watermains. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost			\$100,000		
Less Disposals					
NET COST			\$100,000		

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

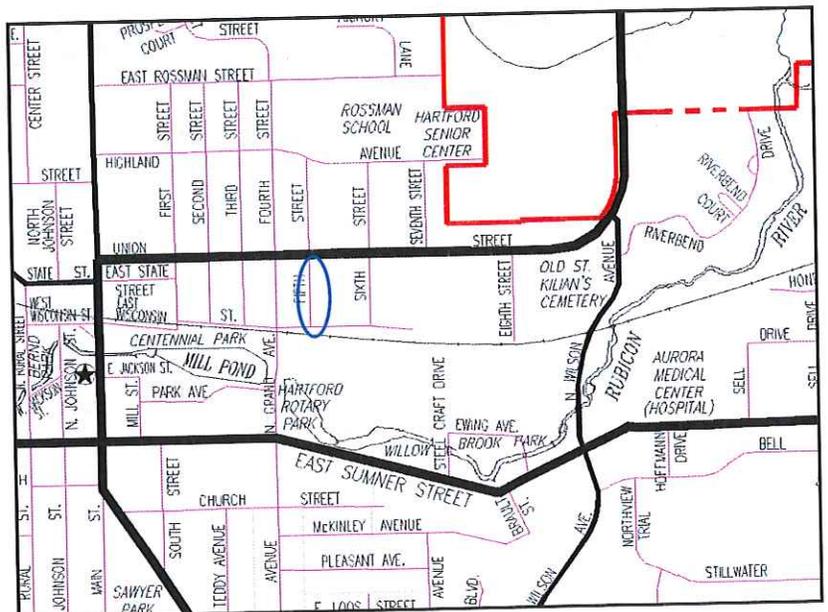
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Fifth Street Watermain Replacement

Reference Number: 360-02-226

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	580 L.F.	\$155	\$89,900	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,100	Retained Earnings
TOTAL PROJECT			\$100,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2018	2019



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

East Wisconsin Street Watermain Replacement

Department: Water Utility

Reference Number: 360-05-262

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on East Wisconsin Street.

PROJECT DESCRIPTION: Replace approximately 500 linear feet of 6" watermain with an 8" watermain on East Wisconsin Street between Fifth Street and Sixth Street.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost			\$82,000		
Less Disposals					
NET COST			\$82,000		

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

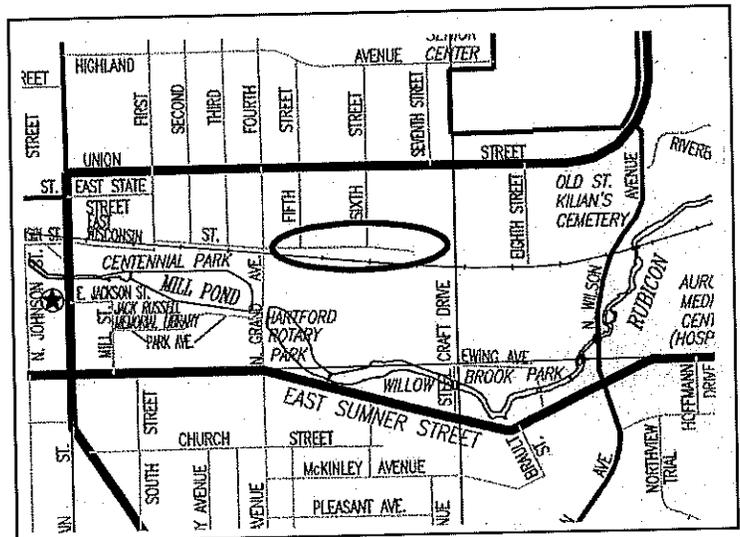
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

East Wisconsin Street Watermain Replacement

Reference Number: 360-05-262

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	500 L.F.	\$145	\$72,500	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$4,500	Retained Earnings
TOTAL PROJECT			\$82,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2019



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Martin Drive and Morgan Drive Watermain Replacement

Department: Water Utility

Reference Number: 360-12-293

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on Martin Drive and Morgan Drive.

PROJECT DESCRIPTION: Replace approximately 1000' of 6" watermain with an 8" watermain on Martin Drive and Morgan Drive between Jefferson Avenue and Evergreen Drive.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This section of watermain is old and has broken numerous times in the past. This project is coordinated with a street resurfacing project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost			\$155,000		
Less Disposals					
NET COST			\$155,000		

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

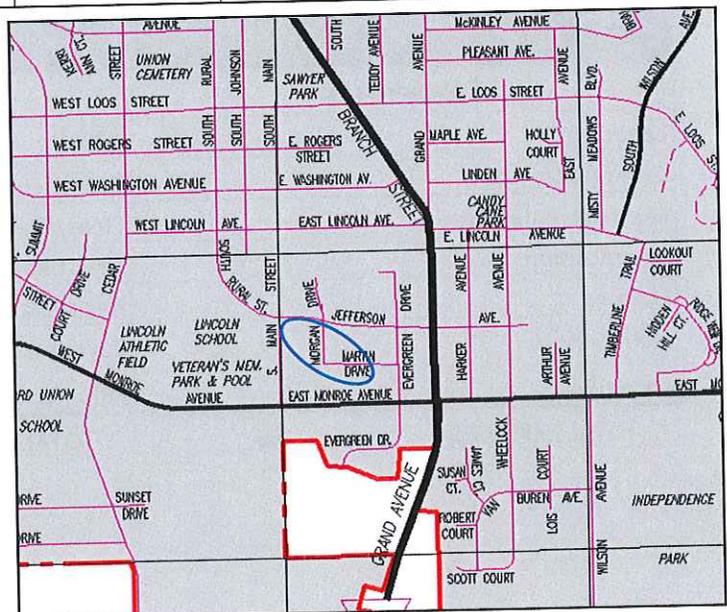
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

Martin Drive and Morgan Drive Watermain Replacement

Reference Number: 360-12-293

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1000 L.F.	\$145	\$145,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$155,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2017	2019



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

South Main Street Watermain Replacement

Department: Water Utility

Reference Number: 360-15-300

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on South Main Street.

PROJECT DESCRIPTION: Replace approximately 1200' of 6" watermain with an 8" watermain on South Main Street between Monroe Avenue and Lincoln Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This section of watermain is old and has broken numerous times in the past. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost			\$184,000		
Less Disposals					
NET COST			\$184,000		

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

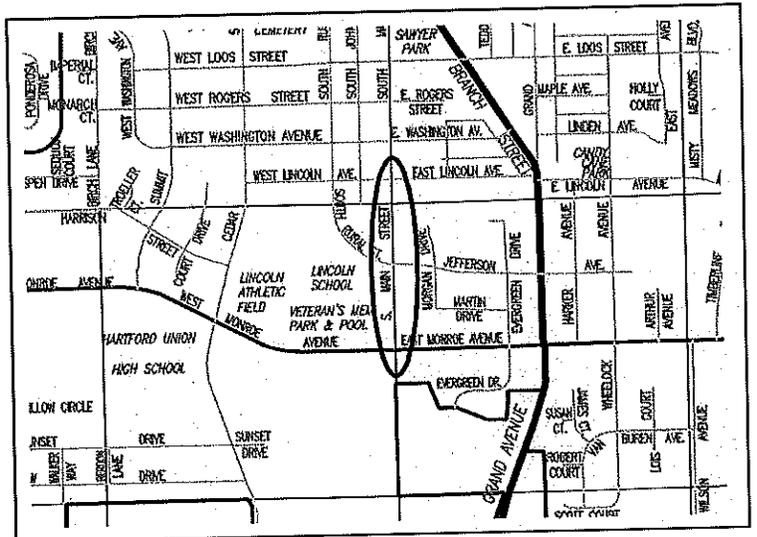
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019 PROJECT YEAR

South Main Street Watermain Replacement

Reference Number: 360-15-300

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1200 L.F.	\$145	\$174,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$184,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2019



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019—2021 PROJECT YEARS

Water Meter Replacement Program 50%

Department: Water Utility

Reference Number: 360-16-303

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Replace all commercial, industrial and residential water meters.

PROJECT DESCRIPTION: Over a five year period replace all water meter transponders using the automatic meter reading technology (AMR) with a new water meter using advanced metering infrastructure (AMI) technology. Water meter chambers will be replaced with the new low-lead housing.

PROJECT JUSTIFICATION: The Public Service Commission requires all water meters to be replaced within 20 years of the original installation date. The batteries in the water meter transponders are near the end of their expected life of 15-20 years. The EPA has reduced the amount of lead allowable in brass fittings and meters, therefore, all brass meter chambers must be replaced.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost			\$130,000	\$130,000	\$130,000
Less Disposals					
NET COST			\$130,000	\$130,000	\$130,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2019—2021 PROJECT YEARS

Water Meter Replacement Program 50%

Reference Number: 360-16-303

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water Meters	3550		\$355,000	Retained Earnings
Sanitary Sewer				
Equipment			\$35,000	Retained Earnings
Engineering/Arch.				
Force Labor				
Contingencies				
TOTAL PROJECT			\$390,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2	X	X
3		
4		
Scheduled	2019	2019



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Harker Avenue Watermain Replacement

Department: Water Utility

Reference Number: 360-12-289

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on Harker Avenue.

PROJECT DESCRIPTION: Replace approximately 1,800 linear feet of the existing 6" watermain with an 8" watermain on Harker Avenue between East Monroe Avenue and Lincoln Avenue.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. The watermain is aging and has had numerous water breaks in the past. This project is coordinated with the road reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost				\$271,000	
Less Disposals					
NET COST				\$271,000	

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

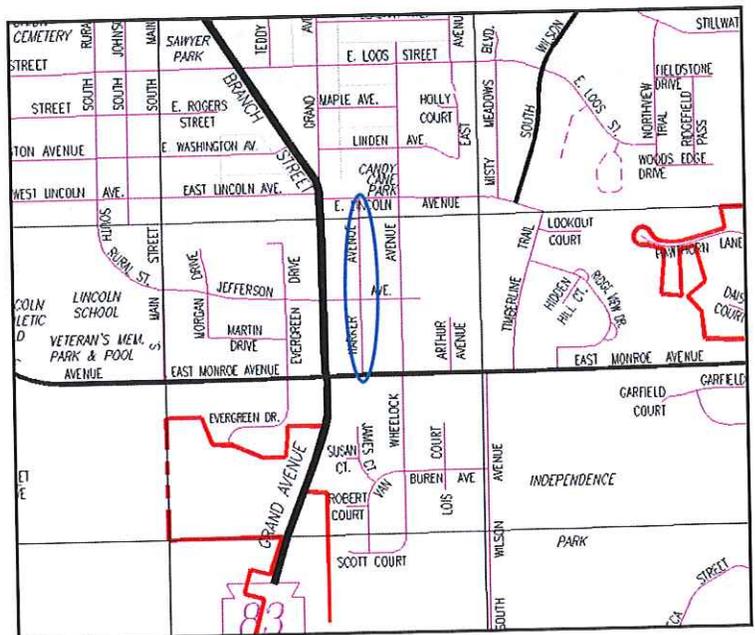
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Harker Avenue Watermain Replacement

Reference Number: 360-12-289

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Lighting				
Electric				
Water	1800 L.F.	\$145	\$261,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$271,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2018	2020



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Wacker Drive Watermain Replacement

Department: Water Utility

Reference Number: 360-16-305

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on Wacker Drive.

PROJECT DESCRIPTION: Replace approximately 1,000 L.F. of 10" watermain with a 12" watermain on Wacker Drive between the railroad tracks and State Street.

PROJECT JUSTIFICATION: Replacement will increase reliability and will increase water pressure and fire protection for the area. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost				\$175,000	
Less Disposals					
NET COST				\$175,000	

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

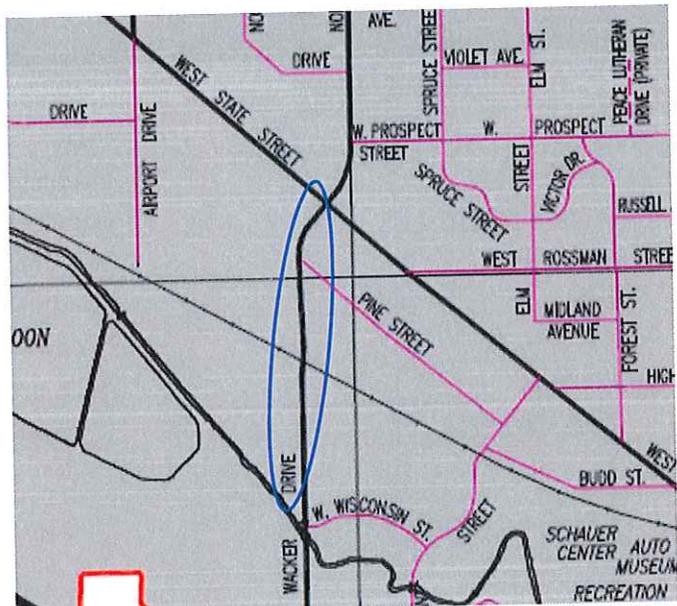
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Wacker Drive Watermain Replacement

Reference Number: 360-16-305

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1000 L.F.	\$165	\$165,000	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,000	Retained Earnings
TOTAL PROJECT			\$175,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2020	2020



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Excavator Purchase 50%

Department: Water Utility

Reference Number: 360-16-307

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Maintain a safe and reliable fleet of excavation equipment for Hartford Electric and the Hartford Water Utility.

PROJECT DESCRIPTION: Purchase a new mini excavator with rubber tracks, full 360 degree rotation and an offset boom for digging in tight locations.

PROJECT JUSTIFICATION: A mini excavator is more versatile and allows for a more diverse fleet of excavating equipment. In addition to the standard work load, more developments and projects are completed without the assistance of contractors in Hartford and Slinger and the mini excavator would make the projects more efficient.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost				\$42,000	
Less Disposals					
NET COST				\$42,000	

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2020 PROJECT YEAR

Excavator Purchase 50%

Reference Number: 360-16-307

Cost	Per Unit	Total
Purchase Price		\$42,000
Annual Rent		
Installation		
Other Costs		
TOTAL COSTS		\$42,000

Estimated Equipment Usage	
4	Hours Per Day
5	Average Days Per Week
52	Weeks Per Year
18	Years in Service
\$2,333	Annual Capital Cost

Revenue Sources	
Tax Levy	
GO Debt	
Special Assessments	
Trust/Donations	
Grants/Aids	
Fund Balance	\$42,000
Other Revenues	
TOTAL SOURCES	\$42,000

Inventory and Replacement	
Similar Items in Inventory	2
Items Replaced	0
Age of Items	18 (2020); 11 (2020)
Down Time	
Down Cost	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2020	2020



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

West Prospect Watermain Replacement

Department: Water Utility

Reference Number: 360-05-257

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on West Prospect Street.

PROJECT DESCRIPTION: Replace approximately 700 linear feet of 6" watermain with a 12" watermain on Prospect Street between Forest Avenue and Spruce Street.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This section of watermain is old and has broken numerous times in the past.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost					\$125,000
Less Disposals					
NET COST					\$125,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

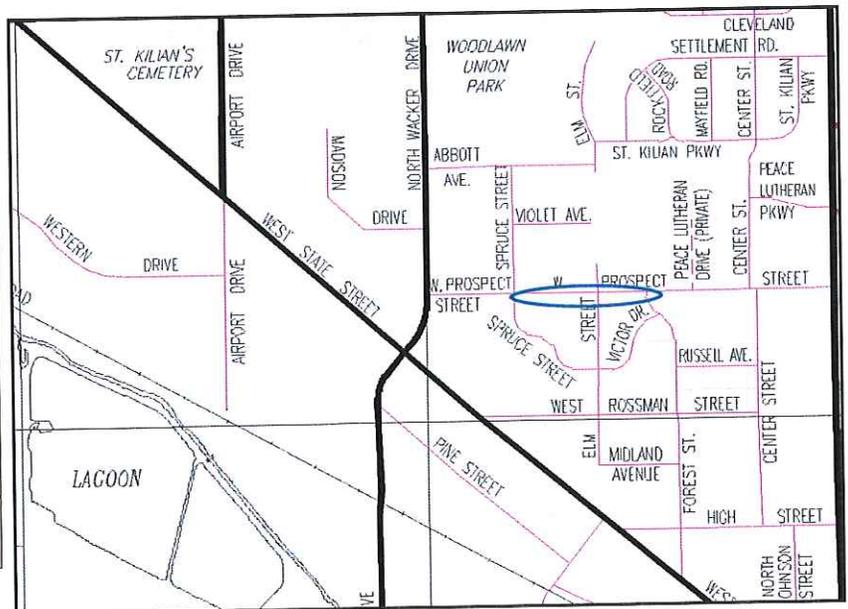
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

West Prospect Watermain Replacement

Reference Number: 360-05-257

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	700 L.F.	\$165	\$115,500	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$4,500	Retained Earnings
TOTAL PROJECT			\$125,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Budd Street Watermain Replacement

Department: Water Utility

Reference Number: 360-05-263

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on Budd Street.

PROJECT DESCRIPTION: Replace approximately 1300 linear feet of 4" watermain with an 8" watermain on Budd Street between Grant Street and West State Street.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. The DNR code requires the replacement of 4" watermains. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost					\$198,000
Less Disposals					
NET COST					\$198,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

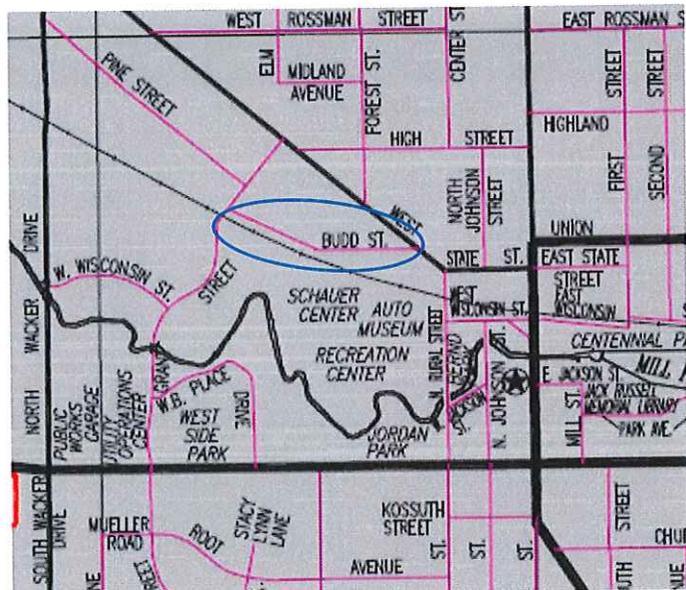
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

Budd Street Watermain Replacement

Reference Number: 360-05-263

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1300 L.F.	\$145	\$188,500	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$4,500	Retained Earnings
TOTAL PROJECT			\$198,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2020	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

East Lincoln Avenue Watermain Replacement

Department: Water Utility

Reference Number: 360-15-301

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure and fire protection and improve water system reliability on East Lincoln Avenue.

PROJECT DESCRIPTION: Replace approximately 1260' of 6" watermain with an 8" watermain on East Lincoln Avenue between Harker Avenue and Misty Meadows Boulevard.

PROJECT JUSTIFICATION: Replacement allows for increased water pressure and fire protection and promotes system reliability for the area. This section of watermain is old and has broken numerous times in the past. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost					\$193,000
Less Disposals					
NET COST					\$193,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

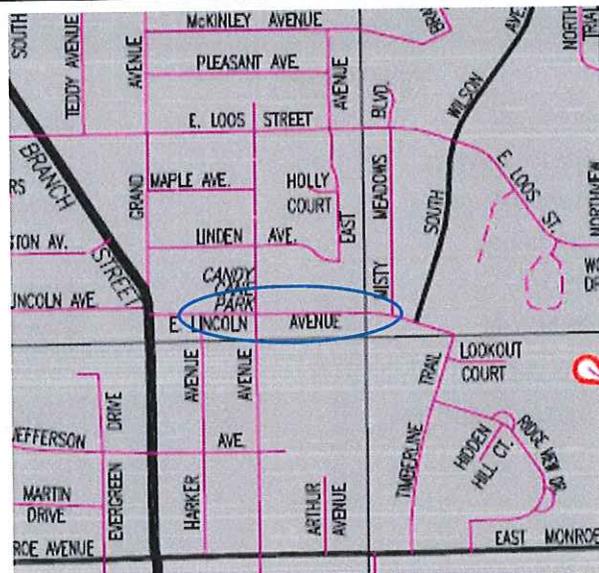
CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

East Lincoln Avenue Watermain Replacement

Reference Number: 360-15-301

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	1260 L.F.	\$145	\$182,700	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,300	Retained Earnings
TOTAL PROJECT			\$193,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2019	2021



CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

West Loos Street Watermain Replacement

Department: Water Utility

Reference Number: 360-16-306

Division: Water Utility

Fund: Water Utility

PROJECT OBJECTIVE: Increase water pressure, fire protection and improve water system reliability on West Loos Street.

PROJECT DESCRIPTION: Replace approximately 660 L.F. of 6" watermain with an 8" watermain on West Loos Street between Summit Street and Cedar Street.

PROJECT JUSTIFICATION: Replacement will increase reliability and will increase water pressure and fire protection for the area. This replacement is coordinated with the street reconstruction project.

PROJECT YEAR:	2017	2018	2019	2020	2021
Capital Cost					\$106,000
Less Disposals					
NET COST					\$106,000

Annual Operating Expenditures and Revenues Required			
Expenditures:		Revenues:	
Labor Cost		Taxes	
Contract Services		Increments	
Materials/Supplies		Fines/Fees/Costs	
Depreciation		User Charges	
Utilities		Recurring Aids	
Debt Service		Payments in Lieu	
Other Costs		Other Revenue	
TOTAL EXPENSES	\$0	TOTAL REVENUE	\$0

CAPITAL IMPROVEMENT PROGRAM
PROJECT SUMMARY
2021 PROJECT YEAR

West Loos Street Watermain Replacement

Reference Number: 360-16-306

	PROJECT DIMENSION	UNIT COST	TOTAL COST	REVENUE SOURCES
Land				
Site Improvement				
Buildings				
Roadway				
Sidewalk				
Curb/Gutter				
Storm Sewer				
Lighting				
Electric				
Water	660 L.F.	\$145	\$95,700	Retained Earnings
Sanitary Sewer				
Equipment				
Engineering/Arch.			\$5,000	Retained Earnings
Force Labor				
Contingencies			\$5,300	Retained Earnings
TOTAL PROJECT			\$106,000	

PRIORITY		
Priority	Prior Year	Current Year
1		
2		
3	X	X
4		
Scheduled	2020	2021

