

**Community Investments Program  
FY 2016 through FY 2020**

**Open Space Development  
CIP #OS1002**

**Project Description:**

Designate and develop open space improvements within the City. Possible projects include extending the Greenway/Bikeway along Piles Fork Creek, a comprehensive bike route plan, Central Downtown Bike/Pedestrian Greenway Park.

In FY 2016, this project includes the construction of the Downtown bicycle Pedestrian Path – Phase I (Mill Street to Main Street) and design of Phase II (SIU Pedestrian Overpass to Mill Street) of the path. Both of these projects are partially funded by an Illinois Department of Transportation (IDOT) Illinois Transportation Enhancement Program (ITEP) Grants.

**Project Justification:**

Open space will be developed as a commitment from the half-cent Home Rule Sales Tax increase.

**Project Capital Costs:**

Budgeted FY 2016	480,440
Estimated FY 2017	486,000
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	966,440
Prior Years Costs	91,199
Later Years Costs	0
<b>Total Cost</b>	<b>\$1,057,639</b>

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues	\$272,353
State Aid	\$718,820
Grant (Other)	<u>\$66,466</u>

**Total** align="right">\$1,057,639

**Operating Budget Impact:** This project is an open commitment that includes green space development. The actual development plans will transpire as an on-going planning process. Any possible budget impacts will be determined as the actual plans are derived.

**Poplar Camp Beach Restroom and Concession Stand Replacement  
CIP #PB1501**

**Project Description:**

The project includes the construction of new restrooms, changing facilities and concession stand areas at Cedar Lake.

**Project Justification:**

The existing restroom and changing facilities do not meet current "Accessibility Standards" as such they need to be upgraded to meet required standards.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	38,000
Estimated FY 2019	226,000
Estimated FY 2020	0
Total Five-Year Costs	264,000
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$264,000</b>

**Fund Source:**

**Waterworks & Sewerage Fund – Water System:**

Fund Balance - Utility Revenues	<u>\$264,000</u>
<b>Total</b>	<b>\$264,000</b>

**Operating Budget Impact:** No impact on near term budgets.

**Community Investments Program  
FY 2016 through FY 2020**

**City Hall/Civic Center Exterior Repairs  
CIP #PB1601**

**Project Description:**

The purpose of this project is to repair the water damage to the exterior EFIS archways at the City Hall/Civic Center building.

**Project Justification:**

The City Hall/Civic Center Building was opened in the fall of 1996. The exterior of the building is mostly brick and stone masonry, but the large archways on each side of the building are made of plywood covered by styrofoam insulation and then a sand and mortar top coat. This type of exterior finish is commonly referred to as EFIS or "Dryvit". Water has infiltrated these archways and is causing the EFIS system to fail from the inside out. It is necessary to repair these archways now to avoid very costly repair costs in the future.

**Project Capital Costs:**

Budgeted FY 2016	145,840
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>145,840</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$145,840</b>

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues \$145,840

**Total** \$145,840

**Operating Budget Impact:** The entire project is budgeted to occur and require funding in 2016. The funds are coming from the Local Improvement Fund.

**CIP #PB1602**

**Project Description:**

This project consists of constructing an un-conditioned storage building to provide needed storage for City operations.

**Project Justification:**

Multiple City Departments have a need to store items that cannot be stored within their existing facilities. The Municipal Rental Properties division currently has some storage space that is used by the various departments within the University City Complex on East College Street. As this space is not adequate, and scattered around in multiple buildings, it is proposed to construct a new storage building on City property near Fire Station #1 that can be used for needed storage by various City Departments and Divisions.

**Project Capital Costs:**

Budgeted FY 2016	238,840
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>238,840</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$238,840</b>

**Fund Source:**

**Rental Properties Fund:**

Fund Balance - Service Charges \$238,840

**Total** \$238,840

**Operating Budget Impact:** The project is budgeted to occur and be funded in FY 2016.

**MRP Storage Building**

**Community Investments Program  
FY 2016 through FY 2020**

**700 Block of South Illinois Avenue  
CIP #PK0701**

**Project Description:**

The project includes a portion of purchased railroad right-of-way located on the west side of the tracks extending north from Mill Street to a point approximately 200 feet south of the center line of College Street be utilized to construct a parking lot.

**Project Justification:**

This parking lot provides additional parking for the downtown businesses.

**Project Capital Costs:**

Budgeted FY 2016	169,600
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	169,600
Prior Years Costs	79,504
Later Years Costs	0
<b>Total Cost</b>	<b>\$249,104</b>

**Fund Source:**

**Parking Systems Operation Fund:**

Transfers from General Fund	\$14,600
Loan	\$155,000
State Aid - IDOT Grant	<u>\$79,504</u>

**Total** \$249,104

**Operating Budget Impact:** This project will make parking more convenient for customers of those businesses and should add to meter and fine revenue. Projected construction will be in Fiscal Year 2016.

**Parking Lot #26 Improvements (Interfaith Center)  
CIP #PK1001**

**Project Description:**

The project includes the reconstruction of an existing parking lot located north of Grand Avenue and East of Illinois Avenue, adjacent to the Interfaith Center.

**Project Justification:**

This parking lot was originally constructed in the mid 1990's as a temporary parking lot to meet the immediate needs of adjacent businesses. This parking lot is heavily used and is in poor condition; a permanent and proper parking lot needs to be constructed to adequately serve the needs of the public.

**Project Capital Costs:**

Budgeted FY 2016	11,680
Estimated FY 2017	94,000
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	105,680
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$105,680</b>

**Fund Source:**

**Parking Systems Operation Fund:**

Fund Balance - Service Charges	<u>\$105,680</u>
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**Total** \$105,680

**Operating Budget Impact:** This will provide for better and safer parking accommodation to those using this location. The projected construction will be in Fiscal Years 2016 and 2017. The expense will be partially offset by the revenue increase from the additional metered spaces. The monies in FY 2017 are for an additional expansion.

**Community Investments Program  
FY 2016 through FY 2020**

**East/West Sanitary Sewer between Schwartz Street and College Street  
CIP #SA0106**

**Project Description:**

Replace existing 8" sanitary sewer west of Oakland Avenue between Schwartz Street and College Street.

**Project Justification:**

The existing 8" sanitary sewer is in need of repair and replacement.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	144,000
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>144,000</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$144,000</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Revenues \$144,000

**Total** \$144,000

**Operating Budget Impact:** The line replacement will prevent the cost of utilizing the sewer jet for maintaining flow as well as any excavation repairs necessary due to the old line. Future maintenance cost savings is estimated to be approximately \$600 annually.

**Sanitary Sewer Rehabilitation Program  
CIP #SA0901**

**Project Description:**

Annual Sewer Rehabilitation Program to maintain and improve the integrity of the sewer system and repair problem areas. The early years of this program (primarily through FY 2020) will concentrate on manhole lining with the later years of this project focusing on sanitary sewer lining and repairs.

**Project Justification:**

Many sewers are in need of repair to improve pipe condition and reduce infiltration and inflow. In addition, the program would reduce blockage in the sewer lines causing customer problems and possible damage to homes.

**Project Capital Costs:**

Budgeted FY 2016	326,280
Estimated FY 2017	321,000
Estimated FY 2018	333,000
Estimated FY 2019	858,000
Estimated FY 2020	587,000
<b>Total Five-Year Costs</b>	<b>2,425,280</b>
Prior Years Costs	659,542
Later Years Costs	0
<b>Total Cost</b>	<b>\$3,084,822</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues \$3,084,822

**Total** \$3,084,822

**Operating Budget Impact:** This on-going improvement program is providing monies in future years which will be used as each line is identified. Such project/studies were contemplated when the water/sewer rate increase program was instituted. The completion of this project will reduce routine maintenance and intermittent service calls. The maintenance cost will be funded with water department revenues, aided by past and future increases in rates.

**Community Investments Program  
FY 2016 through FY 2020**

**Sanitary Sewer Inflow and Infiltration Study  
CIP #SA1301**

**Project Description:**

Evaluate the City’s Sanitary Sewer System to identify and correct sources of inflow and infiltration.

FY 2016 will be the fourth (4<sup>th</sup>) consecutive year of this study; previous years have concluded smoke testing of approximately 402,750 feet (56%) of the City’s sanitary sewer lines and inspected 1,611 (58%) of the City’s sanitary sewer manholes. During FY 2016 smoke testing and manhole inspection will be concluded for the portion of the City that is tributary to the Southeast Wastewater Treatment Plant (SEWWTP).

Southern Illinois University’s (SIU) sanitary sewer system is tributary to the City’s system and constitutes approximately 14% of the overall sanitary sewer system in the City. As SIU’s sanitary sewer system is private, smoke testing and inspection will not be performed; however outflows analysis will be conducted to determine if significant inflow and infiltration exist within the SIU sanitary sewer system.

**Project Justification:**

The City’s two wastewater treatment plants experience significant flow increases during rain events. These increases in flow are a direct result of rain and storm runoff waters entering the sanitary sewer system. An ongoing sanitary sewer inflow and infiltration study will aid the City in identifying major sources of inflow and infiltration and allow them to be corrected thereby reducing operating costs for the wastewater treatment plant.

**Project Capital Costs:**

Budgeted FY 2016	368,760
Estimated FY 2017	184,000
Estimated FY 2018	109,000
Estimated FY 2019	109,000
Estimated FY 2020	0
Total Five-Year Costs	770,760
Prior Years Costs	479,122
Later Years Costs	0
<b>Total Cost</b>	<b>\$1,249,882</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**  
Fund Balance - Utility Fund Revenues      \$1,249,882

**Total**      \$1,249,882

**Operating Budget Impact:** This will identify problem areas enabling proper repair/resolution of existing and potential problems. Such project/studies were contemplated when the water/sewer rate increase program was instituted.

**Community Investments Program  
FY 2016 through FY 2020**

**Haake Jenkins Sanitary Sewer  
CIP #SA1302**

**Project Description:**

Install approximately 800 feet of gravity sanitary sewer to eliminate the Haake Jenkins Lift Station.

This project has been in the works for a couple of years as it is necessary for private easements to be secured prior to design being completed. Staff is working with the property owner(s) and hopes to have easements secured in the spring of 2015.

**Project Justification:**

The Haake Jenkins lift station is in need of extensive rehabilitation, including the installation of new pumps, piping, rails and control systems. Staff has concluded that this lift station can be eliminated by installing gravity sewer to the existing and neighboring Golf Course lift station. This will eliminate ongoing electrical and maintenances costs associated with the operation of the Haake Jenkins lift station.

**Project Capital Costs:**

Budgeted FY 2016	75,840
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	75,840
Prior Years Costs	9,352
Later Years Costs	0
Total Cost	\$85,192

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$85,192

**Total**      \$85,192

**Operating Budget Impact:** Simplifies overall operation reducing ongoing repair and operating and possible future replacement costs. Project completion expected in Fiscal Year 2015.

**Oak Street – Popular Street to Wall Street Sanitary Sewer Upgrade  
CIP #SA1501**

**Project Description:**

Replace the aging sanitary sewer along Oak Street from Poplar to Wall.

**Project Justification:**

The expansion of Memorial Hospital continues to add load to the City’s sanitary sewer infrastructure. The existing sewer that serves the hospital complex is nearing capacity and needs to be replace to insure its continue adequacy.

**Project Capital Costs:**

Budgeted FY 2016	920,880
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	920,880
Prior Years Costs	50,759
Later Years Costs	0
Total Cost	\$971,639

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$971,639

**Total**      \$971,639

**Operating Budget Impact:** This is the type of expenditure contemplated when the water/sewer rate increases were instituted. This project will minimize the potential of overflow/breakage and resultant costly repairs.

**Community Investments Program  
FY 2016 through FY 2020**

**SEWWTP Interceptor Sewer Extension  
(Park St. to Pleasant Hill Road)  
CIP #SA1601**

**Project Description:**

This project includes the extension of the SEWWTP Interceptor Sewer from the intersection of Park Street at Wall Street through SIU Campus to U.S. Highway 51 at Pleasant Hill Road. This project will consist of approximately 2,900 feet of sanitary sewer.

**Project Justification:**

Over the last decade there have been some significant housing developments in the Grand Avenue, Park Street, and South 51 areas. These developments have significantly increased the demand on the sanitary sewers that serve these areas. Currently the City's SEWWTP Interceptor Sewer terminates near the old water treatment plant at the corner of Park Street and Wall Street. From this point south, across SIU Campus, the sewer is of small diameter and needs to be upsized in order to adequately handle the developments tributary to the sewer.

**Project Capital Costs:**

Budgeted FY 2016	48,360
Estimated FY 2017	514,000
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>562,360</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$562,360</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues	<u>\$562,360</u>
<b>Total</b>	<b>\$562,360</b>

**Operating Budget Impact:** The bulk of the spending and project completion is scheduled for FY 2017.

**West Side Multiuse Path (IDOT Project)  
CIP #SP1601**

**Project Description:**

The purpose of this project is for the City to pay its share of the construction costs of a new multi-use path from Emerald Lane to Murphysboro Road/New Era Road; and take ownership of the project from IDOT once it is complete.

**Project Justification:**

The Illinois Department of Transportation (IDOT) will be building a multi-use bicycle/pedestrian trail along the south side of West Main Street from Emerald Lane to Murphysboro Road/New Era Road. IDOT policy requires that the City of Carbondale, upon completion of the project, take ownership of the improvements and provide all future maintenance of the improvements.

The City's share of the project will be approximately \$101,000; in order for the City to take ownership of the project the entire construction cost, \$505,000, is included in the CIP budget which will be offset by a \$404,000 grant from IDOT.

**Project Capital Costs:**

Budgeted FY 2016	505,000
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>505,000</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$505,000</b>

**Fund Source:**

**Motor Fuel Tax Fund:**

State Aid (MFT)	\$101,000
State Aid (IDOT Grant)	<u>\$404,000</u>
<b>Total</b>	<b>\$505,000</b>

**Operating Budget Impact:** The net impact to City Budget in FY 2016 is \$101,000 with the balance coming from IDOT.

**Community Investments Program  
FY 2016 through FY 2020**

**Replace Corrugated Metal Pipes in Southwest  
Quadrant  
CIP #SS9902**

**Project Description:**

The area for this study is bounded by Sunset Drive on the north, Chautauqua Street on the south, Dixon Street on the east and Little Crab Orchard Creek on the west. When this section of Carbondale was developed, corrugated metal storm drainage systems were often used. These pipes are starting to deteriorate and fail. This study would identify the areas where corrugated metal pipes were used and note the areas that are failing. This information will provide the necessary data for establishing program for repairs.

**Project Justification:**

To maintain a satisfactory storm drainage system.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	24,000
Estimated FY 2019	362,000
Estimated FY 2020	0
Total Five-Year Costs	386,000
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$386,000

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues \$386,000

**Total** \$386,000

**Operating Budget Impact:** It is this type of program/study supported by the water/sewer rate increase program. Completion scheduled in Fiscal Year 2018. No budgetary impact in Fiscal Year 2016.

**Cherry Street/Elm Street Storm Sewer Interceptor  
Replacement  
CIP #SS1002**

**Project Description:**

Replacement of the storm sewers from the West Cherry Street/University Avenue area to the East Elm Street/Marion Street area.

**Project Justification:**

The Cherry Street/University Avenue/Illinois Avenue is a low point and collector areas for storm water runoff. The storm water from this area is conveyed under the railroad tracks to East Elm Street wherein it connects to other storm sewers that take the water to Piles Fork Creek. This area on the West side of the railroad tracts has experienced flooding for decades and warrants further study for possible storm sewer replacements to aid in alleviating the flooding problems.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	25,000
Estimated FY 2019	366,000
Estimated FY 2020	0
Total Five-Year Costs	391,000
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$391,000

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues \$391,000

**Total** \$391,000

**Operating Budget Impact:** This project will protect against future flooding events. No budgetary impact in Fiscal Year 2016.

**Community Investments Program  
FY 2016 through FY 2020**

**Oakland Avenue Reconstruction  
(Walnut St. to Chautauqua Street)  
CIP #ST0202**

**Project Description:**

The proposed improvements will reduce congestion by the addition of dedicated bicycle lanes on both sides of the roadway, widen lane widths to 12 feet throughout the length of the project, improve intersections with side streets, and enhance the existing pedestrian facilities. His project will help remove bicycle/vehicular conflicts and improve the travel time for both modes of transportation (enhance the level of service) along this corridor. Intersection improvements along the corridor will also improve various levels of service.

**Project Justification:**

Oakland Avenue is one of the main entrances to Southern Illinois University (SIU). This project proposes to reconstruct and widen Oakland Avenue between Illinois State Route 13 (Walnut Street) and Chautauqua Street (SIU Campus) to provide for a higher level of service and provide accommodations for heavy bicycle traffic. The current ADT of this section of roadway peaks at 7,700 vehicles per day and includes two intersections with other Federal Aid Routes (Freeman Street and Mill Street). The current roadway section is approximately 30 feet wide with left hand turn lanes and/or on-street parking that reduces the effective lane widths to 10 feet wide for much of the length.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	1,343,000
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>1,343,000</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$1,343,000</b>

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues	\$537,200
Federal Aid	<u>\$805,800</u>
<b>Total</b>	<b>\$1,343,000</b>

**Operating Budget Impact:** No budget impact in FY 2016.

**Community Investments Program  
FY 2016 through FY 2020**

**Lewis Lane and Grand Avenue Roundabout  
CIP #ST0903**

**Project Description:**

Design and install a round-a-bout at the intersection of Grand Avenue and Lewis Lane.

**Project Justification:**

This intersection experiences significant delays at peak morning hours due to its proximity to Lewis School, the Carbondale Middle School, and several major apartment complexes. The delays are not such of such magnitude to require the installation of traffic signals; however the installation of a round-a-bout should mitigate these issues.

**Project Capital Costs:**

Budgeted FY 2016	454,600
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	454,600
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$454,600

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues	\$50,632
Federal Aid	<u>\$403,968</u>

**Total** \$454,600

**Operating Budget Impact:** The project is planned for completion in 2016.

**Street Patching Program  
CIP #ST1201**

**Project Description:**

The purpose of this project is to develop and then continue to quantify street patching needs on the City's collector and arterial streets. Based on the information collected and tabulated by this project direction will be provided to the Street Maintenance Division for inclusion in their budget and programs; and or needed CIP projects will be developed and planned for.

**Project Justification:**

This project will allow a proactive and systematic approach to patching streets and potholes around the City.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	4,800
Estimated FY 2018	0
Estimated FY 2019	4,800
Estimated FY 2020	0
Total Five-Year Costs	9,600
Prior Years Costs	162,842
Later Years Costs	0
Total Cost	\$172,442

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues	<u>\$172,442</u>
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**Total** \$172,442

**Operating Budget Impact:** This project will reduce the risk of injury and property damage. The project begins in FY 2017.

**Community Investments Program  
FY 2016 through FY 2020**

**Annual Collection Street Resurfacing Program  
CIP #ST1204**

**Project Description:**

The purpose of this project is to develop and then continue to quantify street resurfacing or reconstruction needs on the City's collector and arterial streets. Based on the information collected and tabulated by this project direction will be provided to Street Maintenance for inclusion in their budget and programs; and or needed CIP projects will be developed and planned for.

This project will provide for repaving of heavily used roadways throughout the City.

**Project Justification:**

This project will allow a proactive and systematic approach to resurfacing streets and sections of streets around the City.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	4,800
Estimated FY 2019	0
Estimated FY 2020	4,800
Total Five-Year Costs	9,600
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$9,600

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues \$9,600

**Total** \$9,600

**Operating Budget Impact:** This is a preventative maintenance program to avoid major street repairs in the future. No impact in FY2016 is planned.

**Bridge Maintenance and Rehabilitation Program  
CIP#ST1301**

**Project Description:**

To proactively maintain and rehabilitate bridge structures throughout the City to extend the service life of these structures and avoid costly replacements.

**Project Justification:**

The City has numerous bridges throughout the community that it is responsible for inspecting, repairing, and maintaining. Many of these structures are beginning to show signs of their age. Recent inspections of several structures indicate that there is a growing need for heavy maintenance and/or rehabilitation which will likely continue for a number of years. The projects being planned for in the 5 year CIP are as follows: FY 2017 Pleasant Hill Road Overpass; FY 2019 Chautauqua west of Emerald Lane; FY 2021 Sunset Drive west of Emerald Lane.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	112,000
Estimated FY 2018	0
Estimated FY 2019	59,500
Estimated FY 2020	0
Total Five-Year Costs	171,500
Prior Years Costs	3,480
Later Years Costs	780,000
Total Cost	\$954,980

**Fund Source:**

**Local Improvement Fund:**

Fund Balance - General Revenues \$418,980

**Motor Fuel Tax Fund:**

State Aid - Motor Fuel Tax \$536,000

**Total** \$954,980

**Operating Budget Impact:** This was an ongoing preventative maintenance program but with no expenditure of funds until FY 2017.



**Community Investments Program  
FY 2016 through FY 2020**

**Dillinger Road/Bicentennial Industrial Park  
Watermain Loop  
CIP #WS9701**

**Project Description:**

This project consists of looping the water mains in Bicentennial Industrial Park with the lines located on Dillinger Road and U.S. Highway 51.

**Project Justification:**

The City's water distribution system ends at the Bicentennial Industrial Park; this is also the location from which two (2) Water Districts, Lakeside and Desoto, used to supply their systems with water from the City. The connections to these two Water Districts still exist, however they are now only used for "emergency" situations. As such water in this area no longer circulates well and there is now a need to loop the water mains together to aid in keeping the water fresh.

**Project Capital Costs:**

Budgeted FY 2016	26,600
Estimated FY 2017	180,000
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>202,600</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$202,600</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$202,600

**Total**      \$202,600

**Operating Budget Impact:** Preliminary work is planned for FY 2016.

**Mill Street Water Main  
CIP #WS0201**

**Project Description:**

This project replaces 2,900 feet of 6" water main on Mill Street between University Avenue and Oakland Avenue.

**Project Justification:**

This eliminates a water line that has had high maintenance costs and disruption of service.

**Project Capital Costs:**

Budgeted FY 2016	748,520
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>748,520</b>
Prior Years Costs	50,099
Later Years Costs	0
<b>Total Cost</b>	<b>\$798,619</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$798,619

**Total**      \$798,619

**Operating Budget Impact:** It is this type of project that the water/sewer rate increase program was instituted for. The project is planned for completion in FY 2016.

**Community Investments Program  
FY 2016 through FY 2020**

**Oakland Avenue Watermain Replacement  
(Walnut to Chautauqua)  
CIP #WS0203**

**Project Description:**

This project consists of replacing the waterlines located on Oakland Avenue from Walnut Street to Chautauqua Street.

**Project Justification:**

Oakland Avenue is scheduled to be reconstructed in a few years; the roadway reconstruction project is being funded partially with Federal Funds through the Southern Illinois Metropolitan Planning Organization (SIMPO). As such the City needs to replace the old dilapidated water mains prior to the new roadway design and construction.

**Project Capital Costs:**

Budgeted FY 2016	42,360
Estimated FY 2017	613,300
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>655,660</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$655,660</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$655,660

**Total**      \$655,660

**Operating Budget Impact:** Preliminary work is planned for FY 2016 with completion planned for FY 2017.

**New Era Road & Route 13 Waterline Interconnect  
CIP #WS0601**

**Project Description:**

This project consists of interconnecting the water lines under State Highway 13 in the New Era Road and Murphysboro Road area.

**Project Justification:**

Prior to the reconstruction of New Era Road in the early 2000's the waterline was replaced from the intersection of Route 13 north along New Era Road to Glenn Road. Since this time the smaller diameter lines that run under Route 13 to connect New Era Road water lines with water lines on Murphysboro Road have failed and need to be replaced.

**Project Capital Costs:**

Budgeted FY 2016	77,680
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>77,680</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$77,680</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$77,680

**Total**      \$77,680

**Operating Budget Impact:** The project is planned for completion in FY 2016.

**Community Investments Program  
FY 2016 through FY 2020**

**Crab Orchard Water District Improvements  
CIP #WS0803**

**Project Description:**

Improve areas served by the former Crab Orchard Water District by making connections to existing City Water lines where available and replace water lines as described in agreement with the former Crab Orchard Water District.

**Project Justification:**

Many of the lines are in poor condition and need to be replaced.

**Project Capital Costs:**

Budgeted FY 2016	493,800
Estimated FY 2017	445,000
Estimated FY 2018	445,000
Estimated FY 2019	445,000
Estimated FY 2020	0
Total Five-Year Costs	1,828,800
Prior Years Costs	1,029,562
Later Years Costs	0
Total Cost	\$2,858,362

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$2,858,362

**Total**      \$2,858,362

**Operating Budget Impact:** This is a 4-5 year project with nearly \$1/2 million scheduled to be funded in FY 2017.

**Backup Water Supply  
CIP #WS0901**

**Project Description:**

Slowly options for improving the backup water supply for the City's Water Treatment Plant, develop and analyze alternatives and design and implement the chosen option(s).

**Project Justification:**

The City Reservoir (also referred to as Evergreen Lake) has been the City's backup waters supply for decades. Unfortunately the lake has now silted to a point that severely limits the amount of useful water that can be pumped from it to the water treatment plant, In the event of an emergency wherein the City was not able to pump water from Cedar Lake, the City would have great difficulty in getting adequate raw water to the plant for treatment.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	145,000
Estimated FY 2020	543,000
Total Five-Year Costs	688,000
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$688,000

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$688,000

**Total**      \$688,000

**Operating Budget Impact:** This is a long-term project that would provide a desirable resource for the City.

**Community Investments Program  
FY 2016 through FY 2020**

**Pecan Street Waterline Replacement  
(400-900 Blocks)  
CIP #WS0904**

**Project Description:**

Replace 2,700 feet of six inch water line on Pecan Street 400-900 blocks.

**Project Justification:**

This line on Pecan Street has broken several times. It needs to be replaced.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	33,000
Estimated FY 2020	403,000
<b>Total Five-Year Costs</b>	<b>436,000</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$436,000</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$436,000

**Total**      \$436,000

**Operating Budget Impact:** This provides for future replacement of water lines in need of improvement.

**Cedar Lake – Spillway Repair and Gabion  
Installation  
CIP #WS1002**

**Project Description:**

Repair the damaged/displaced portion of the riprap spillway with gabions.

**Project Justification:**

Due to heavy rains in the spring of 2008, the riprap portion of the spillway suffered heavy damage/displacement. The spillway needs to be repaired to prevent further degradation of the gabion portion of the spillway.

**Project Capital Costs:**

Budgeted FY 2016	337,680
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>337,680</b>
Prior Years Costs	35,852
Later Years Costs	0
<b>Total Cost</b>	<b>\$373,532</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$373,532

**Total**      \$373,532

**Operating Budget Impact:** This project is one which is needed to be completed soon, so to avoid more serious and costly problems.

**Community Investments Program  
FY 2016 through FY 2020**

**Water Plant Lagoon Renovations  
CIP #WS1201**

**Project Description:**

Reconstruct three existing, single-stage sludge lagoons into a two-stage lagoon system. Two of the existing earthen lagoons will be combined into one large concrete lagoon for primary settlement and detention of solids, and the third lagoon will be used for final settlement.

**Project Justification:**

Existing lagoons are undersized and incapable of properly handling filter backwash and clarifier blowdown waters. Solids content of the effluent discharged into the receiving stream needs to be reduced. Combining two of the lagoons by removing the earthen berm and increasing the depth by two feet will expand the total storage capacity from 170,000 gallons to 400,000 gallons. Increased detention time will improve settlement of solids as well as allow more time for chlorine to dissipate naturally, which will reduce the amount of chemical needed for chlorine removal.

**Project Capital Costs:**

Budgeted FY 2016	691,680
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>691,680</b>
Prior Years Costs	32,921
Later Years Costs	0
<b>Total Cost</b>	<b>\$724,601</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues \$724,601

**Total** \$724,601

**Operating Budget Impact:** This project is one considered when the rate increase program was instituted. This is planned to be completed in FY 2016.

**Cedar Lake Pump Station Renovations  
CIP #WS1202**

**Project Description:**

The existing pump station was built in 1975 and all equipment, including valves, motors, wiring, and pumps, is original. The existing structure will remain intact, and all equipment will be replaced with modernized equipment.

**Project Justification:**

All of the equipment at this pump station is far beyond its expected service life, and needs to be replaced. This is the only pump station that provides raw water to the Water Treatment Plant, and any failures will severely jeopardize the City's ability to supply water to the public. In addition to eliminating the risk of catastrophic failure, significant cost savings will be realized with newer, more energy efficient equipment.

**Project Capital Costs:**

Budgeted FY 2016	884,600
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>884,600</b>
Prior Years Costs	27,494
Later Years Costs	0
<b>Total Cost</b>	<b>\$912,094</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues \$912,094

**Total** \$912,094

**Operating Budget Impact:** This project will lead to less cost in maintenance and operation. Project completion anticipated in Fiscal Year 2016 which will see reduced maintenance costs over future years.

**Community Investments Program  
FY 2016 through FY 2020**

**Feeder Water Main Replacements (10" & larger)  
CIP #WS1301**

**Project Description:**

The purpose of this project is to replace dilapidated water main feeder lines of 10" and larger in diameter.

**Project Justification:**

There are many water mains throughout the City that are dilapidated and in need of replacement. Priority should be given to the water systems feeder water mains that are 10" or larger in diameter as these lines feed many of the other lines throughout the City. In recent years the City has been experiencing frequent breaks on its 10" diameter water mains on Forest Street and Springer Street, this project will initially concentrate on these areas.

**Project Capital Costs:**

Budgeted FY 2016	514,120
Estimated FY 2017	502,000
Estimated FY 2018	502,000
Estimated FY 2019	652,000
Estimated FY 2020	652,000
Total Five-Year Costs	2,822,120
Prior Years Costs	36,605
Later Years Costs	0
Total Cost	\$2,858,725

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$2,858,725

**Total**      \$2,858,725

**Operating Budget Impact:** This project will produce significantly progressively less costly maintenance and operation. This is also a project supported by the water/sewer rate increase program.

**Cedar Lake Sediment and Nutrient Load Reduction  
Projects  
CIP #WS1503**

**Project Description:**

Stabilize 14,000 linear ft. of Cedar Lake shoreline; stabilize 20,000 linear ft. of gully and construct sediment control basins on 200 acres within the watershed.

**Project Justification:**

Identified impairments to Cedar Lake will be addressed by reducing phosphorous, nitrogen and sediment loading. The proposal will address shoreline erosion and turbid water with a reduction in these impairments, as well.

**Project Capital Costs:**

Budgeted FY 2016	482,520
Estimated FY 2017	2,320,000
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	2,802,520
Prior Years Costs	17,097
Later Years Costs	0
Total Cost	\$2,819,617

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$2,819,617

**Total**      \$2,819,617

**Operating Budget Impact:** This was an important consideration in the water/sewer rate increase program. Some of the impact will have been funded by these increases.

**Community Investments Program  
FY 2016 through FY 2020**

**Water Plant Clearwell Painting and Repairs  
CIP #WS1601**

**Project Description:**

This project consists of the refurbishing and painting of the two (2) 1,000,000 gallon clear wells at the Water Treatment Plant.

**Project Justification:**

The City's Water Treatment Plant was built in the early 1990's. A few years ago Staff had inspections performed on all of the City's water towers as well as the two (2) clear wells at the water treatment plant. Staff has since painted the clear well exteriors but now the interior of these tanks needs to be repaired and painted, this work is beyond the scope of what can be accomplished in-house and therefore plans and specifications need to be prepared for the required work.

**Project Capital Costs:**

Budgeted FY 2016	611,680
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	611,680
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$611,680

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$611,680

**Total**      \$611,680

**Operating Budget Impact:** The project is funded and completed within FY 2016.

**New Era Road Lift Station Replace Existing Pumps  
CIP #WW9602**

**Project Description:**

Replace the pumps and wet well for the New Era Road Pump Station.

**Project Justification:**

In recent years the development at the Southern Illinois Airport has caused an increased load on an aging sanitary sewer lift station. The existing lift station is a combination wet well/dry well system, this system requires staff to enter into the underground dry well to maintain the pumps and control systems. A new wet well with submersible pumps will be constructed adjacent to the existing pump station and the existing dry well will be decommissioned.

**Project Capital Costs:**

Budgeted FY 2016	145,840
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	145,840
Prior Years Costs	27,153
Later Years Costs	0
Total Cost	\$172,903

**Fund Source:**

**Waterworks & Sewerage Fund - Water System:**

Fund Balance - Utility Fund Revenues      \$172,903

**Total**      \$172,903

**Operating Budget Impact:** New equipment will increase capacity and handle the increased load incurred by the S.I. Airport and completion scheduled in FY 2016.

**Community Investments Program  
FY 2016 through FY 2020**

**NWWWTP Nutrient Removal Upgrades  
CIP #WW1001**

**Project Description:**

The purpose of this project is to study the existing capabilities of the treatment system to meet new nutrient removal requirements, make recommendations for improvements, and design and implement the chosen improvements.

**Project Justification:**

In order to meet forthcoming nutrient mandates from the Illinois Environmental Protection Agency (IEPA) as well as improve wastewater treatment efficiencies it is necessary to review the treatment processes and make needed changes.

**Project Capital Costs:**

Budgeted FY 2016	128,760
Estimated FY 2017	255,000
Estimated FY 2018	2,350,000
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	2,733,760
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$2,733,760

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$2,733,760

**Total**      \$2,733,760

**Operating Budget Impact:** There are mandated changes required by the IEPA to be completed over the next 3 Fiscal Years.

**NWWWTP Bar Screen on Grit Chamber  
CIP #WW1002**

**Project Description:**

To replace the bar screen with a finer one.

**Project Justification:**

To reduce rags and lower maintenance.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	203,000
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	203,000
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$203,000

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$203,000

**Total**      \$203,000

**Operating Budget Impact:** To be completed all in FY 2017.



**Community Investments Program  
FY 2016 through FY 2020**

**Alarm Communication and Flow Monitoring System  
for All Lift Stations  
CIP #WW1006**

**Project Description:**

The purpose of this project is to install new communication and monitoring systems for the City's Sanitary Sewer Lift Stations.

**Project Justification:**

The existing monitoring systems for the City's Sanitary Sewer Lift Stations consists of automatic dialers that use telephone lines to place calls to staff to inform them of issues. The existing system is very basic and does not have any way to provide actual feedback or monitoring of systems at the lift stations. Newer technology will allow staff to interact with the lift stations remotely and provide flow, pump, power and alarm information on a real time basis.

**Project Capital Costs:**

Budgeted FY 2016	255,440
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	255,440
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$255,440

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$255,440

**Total**      \$255,440

**Operating Budget Impact:** This project will eliminate all telephone lines to 15 lift stations for an annual savings of approximately \$4,700.

**Kent Drive Lift Station and Forcemain Modifications  
CIP #WW1007**

**Project Description:**

The purpose of this project is to evaluate the capacity and location of the Kent Drive Lift Station and Forcemain, study options for replacement, and design and implement the selected option.

**Project Justification:**

The Kent Drive Sanitary Sewer Lift Station and Forcemain are nearing capacity and need to be evaluated to ensure continued reliability. As the existing lift station is not in an ideal location, it is likely that a new lift station will need to be constructed in an alternate location.

**Project Capital Costs:**

Budgeted FY 2016	0
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	35,000
Estimated FY 2020	375,000
Total Five-Year Costs	410,000
Prior Years Costs	0
Later Years Costs	0
Total Cost	\$410,000

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$410,000

**Total**      \$410,000

**Operating Budget Impact:** No impact in FY 2016.

**Community Investments Program  
FY 2016 through FY 2020**

**Lift Station Emergency Power Systems  
CIP #WW1301**

**Project Description:**

This project will provide emergency backup power to various lift stations throughout the City.

**Project Justification:**

During power outages it is necessary for City staff to travel from lift station to lift station with portable generators and or pumps to prevent sewage backups. Installation of emergency generators at key lift stations will lessen the burden on staff and provide for seamless operation of these lift stations during power outages.

**Project Capital Costs:**

Budgeted FY 2016	120,000
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	120,000
Prior Years Costs	316,295
Later Years Costs	0
<b>Total Cost</b>	<b>\$436,295</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$216,295  
State Aid      \$220,000

**Total**      \$436,295

**Operating Budget Impact:** Avoid risk of damage from loss of power. Also reduces cost of overtime pay of City Staff covering outages.

**Pinecrest Liftstation and Forcemain Improvements  
CIP #WW1502**

**Project Description:**

Replace pumps and increase force main size.

**Project Justification:**

The Pinecrest lift station on Chautauqua was initially designed to serve low density residential development along Chautauqua between Pinecrest Drive and tower Road. With the addition and expansion of the Prairie Living complex the capacity of the existing pumps and force main are not at their limits and need to be upgraded to efficiently and effectively handle the existing and future sanitary sewer loads.

**Project Capital Costs:**

Budgeted FY 2016	341,680
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
Total Five-Year Costs	341,680
Prior Years Costs	12,167
Later Years Costs	0
<b>Total Cost</b>	<b>\$353,847</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues      \$353,847

**Total**      \$353,847

**Operating Budget Impact:** This project is needed to accommodate the needs of current and future population increase.

**Community Investments Program  
FY 2016 through FY 2020**

**Murdale Lift Station Pump Addition  
CIP #WW1503**

**Project Description:**

Add third pump and variable frequency drives (VFD's) to the two existing pumps.

**Project Justification:**

The Murdale lift station was rehabbed a number of years ago and included provisions to add a third pump. Adding a third pump will provide greater redundancy and more capacity as needed during high flow events. Adding VFD's will allow for better efficiency and operations of the pump station.

**Project Capital Costs:**

Budgeted FY 2016	250,840
Estimated FY 2017	0
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>250,840</b>
Prior Years Costs	12,081
Later Years Costs	0
<b>Total Cost</b>	<b>\$262,921</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues \$262,921

**Total** \$262,921

**Operating Budget Impact:** This will improve the efficiency of the pump savings on power and provide a greater margin of safety during high flow events. Project completion planned in FY 2016.

**NWWWTP River Vault Renovations  
CIP #WW1601**

**Project Description:**

The purpose of this project is to evaluate the condition of the existing river vault and siphon control systems, decide on appropriate renovations, and implement these renovations.

**Project Justification:**

The NWWWTP effluent is discharged to the Big Muddy River through a siphon system. This system prevents the effluent from having to be pumped and saves the City significant electrical costs. The control structure at the Big Muddy River is referred to as the River Vault" and consists of a 12' x 18' underground vault that houses the valves and controls; this vault is accessed through a 40' long 4' diameter tube that extends to the surface. The existing steel vault and tube were installed in the early 1980's and are beginning to show significant signs of corrosion and deterioration.

**Project Capital Costs:**

Budgeted FY 2016	8,760
Estimated FY 2017	290,000
Estimated FY 2018	0
Estimated FY 2019	0
Estimated FY 2020	0
<b>Total Five-Year Costs</b>	<b>298,760</b>
Prior Years Costs	0
Later Years Costs	0
<b>Total Cost</b>	<b>\$298,760</b>

**Fund Source:**

**Waterworks & Sewerage Fund - Wastewater System:**

Fund Balance - Utility Fund Revenues \$298,760

**Total** \$298,760

**Operating Budget Impact:** Preliminary work to begin in FY 2016 with completion planned in FY 2017.

