



**CAPITAL IMPROVEMENT BUDGET
2017 - 2022**

County of Summit • The High Point of Ohio





Summit County Council

Dear Council President and Members:

It is my pleasure to submit to you the 2017-2022 Capital Improvement Program for the County of Summit. The investments contained in this program reflect those priorities that I believe to be crucial to the success and well being of the residents of Summit County. This plan contains an emphasis on capital investments in critical public safety and technology infrastructure needs throughout the County. The 2017-2022 Capital Improvement Program seeks to judiciously use County funds for the maintenance of current county facilities and assets while aiming to make strategic investments in technologies which will improve the overall safety and service delivery model provided to our residents and help enhance our job creation efforts.

2016 saw the successful completion of the Triangle Building project. In 2014 the county signed a lease with Akron Phoenix Development Co., LLC for the lease of 161,000 square feet of office and administrative space located at 1180 S. Main St. in Akron. This space now serves as the new home for the County's Department of Job and Family Services, the Department of Sanitary Sewer Services, the Department of Administrative Services, the Department of Human Resources, the Board of Revision, Summit Soil and Water and the County Records Center. The consolidation of these offices into a single location provides the County long term operational savings and efficiency and invested over \$23 million into the critical redevelopment of the former Firestone Tire campus and assists the ongoing transformation of the Firestone Park Neighborhood.

In 2016 we also completed the financing and a substantial portion of the engineering, construction, and equipment upgrades necessary to convert the County and City of Akron owned 800 Mhz emergency radio system into an Apco P25 compliant radio system. This \$18.4 million project provides a state of the art, radio communications system which allows emergency, healthcare, school district and public service employees throughout Summit County to communicate and coordinate services. As work continues on this project through 2017, we have begun the next phase of our planned investment into the modernization and improvement of our safety communications systems. Throughout 2017 we will be meeting with representatives from the cities of Stow, Cuyahoga Falls, and Tallmadge to produce a comprehensive plan for creating a consolidated police and fire dispatch center. This center will utilize the latest communication, GIS and CAD technologies to improve upon our current service delivery and will be done in a way to optimize our taxpayer's investment. My hope is to build a regional dispatch model that can be the catalyst for further dispatch consolidation.

Over the past several years, the economic impact of cuts to local government funding and other revenue sharing by the State of Ohio, have severely limited Summit County's ability to invest in and maintain capital assets. This fact was highlighted by the Auditor of State's recent release of its Financial Health Indicators report which assigned Summit County just one "Cautionary Outlook" rating which was based on the condition of our capital assets. While our ability to invest local dollars in our capital assets still remains constrained, this 2017 plan directs over \$700 thousand dollars towards improvements in to two of our largest and vital assets, the Summit County Courthouse and Summit County Jail. Maintaining these facilities, and a myriad of other County owned assets, continues to be one of our biggest long term challenges and remains vitally important to our future success as region.

Sincerely,

Ilene Shapiro
County Executive



CAPITAL IMPROVEMENT PROGRAM

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BUDGET OVERVIEW



Summit County Capital Improvement Policy

Capital Improvement Program 2017-2022

The Summit County Charter requires the County Executive to submit annually to the County Council a capital improvement program. The program is required to include the capital improvement schedule proposed for the current fiscal year, along with the estimated cost of each item or project and the proposed method of financing. The proposal must also include planned capital improvements for the succeeding five years.

The Executive's Department of Finance and Budget prepared this budget in conformity with the Government Finance Officers Association's Recommended Practices for Capital Budgets.

OBJECTIVES OF THE CAPITAL INVESTMENT PROGRAM

1. To maintain and upgrade county facilities such as roads, bridges, water and sewer lines and buildings.
2. To minimize long-term operating costs. This can be achieved through the investment in technology and the purchase and upgrade of equipment and vehicles.
3. To encourage and promote tourism and economic development throughout the County by direct investment and partnering with area governments and institutions.
4. To improve financial planning by comparing needs with resources, estimating future bond issues and identifying potential fiscal implications.



Summit County Capital Improvement Policy

Capital Improvement Program 2017-2022

ELIGIBILITY CRITERIA

In general, to qualify for funding through the County's capital budget, a project must have a cost of more than \$15,000 and a useful life in excess of 5 years. A qualified project may be funded through a variety of sources such as operating fund transfers and public borrowing.

FUNDING SOURCES

AMATS – Akron Metropolitan Area Transportation Study grant funding.

Animal Control - Fees collected by the Animal Control Department for licenses and fines.

CDBG – Federal funds received from the Department of Housing and Urban Development to be used for various Community Development Projects.

CEAO – County Engineers Association of Ohio.

Computerization Funds - Fees collected by the Court of Common Pleas for the computerization of the Clerk of Courts, Common Pleas and Probate Court.

Coroner Lab Fund - Fees collected by the Coroner for the performance of out-of-county autopsies.

Court Computerization Fund - Fees collected by the Court of Common Pleas for the computerization of the Court.



Summit County Capital Improvement Policy

Capital Improvement Program 2017-2022

Department of Job and Family Services – Capital project expenses are recovered through leases or depreciation charges paid by DJFS to the County through annual federal or state funding for DJFS operations.

Ditch Maintenance Funds – Assessed funds collected from certain developments for storm water management.

Energy Efficiency Conservation Block Grants (EECBG) – Energy Efficiency Conservation Block Grants provide funding to local governments, states, territories, and Indian tribes to fund programs and projects that reduce energy use and fossil fuel emissions and improve energy efficiency.

EPA Grant – Grants from the U.S. Environmental Protection Agency.

Federal Funds – Funds from a variety of federal government programs.

General Fund Capital Improvement Program - Unlike various counties and local governments that have dedicated revenues of statutory set-asides for capital investment, the County's primary source for capital is the General Fund. The General Fund Capital Improvement Program was established by the County in 2001 and was funded through an investment of General Fund dollars totaling \$21.6 million. Of the initial \$21.6 million invested, roughly \$320,000, remained uncommitted, at the end of 2012. The County transferred an additional \$849,120 from the General Fund in 2013, \$947,335 in 2014, \$878,995 in 2015 and \$2,589,797 in 2016 (including \$513,835 in water fund proceeds) to fund capital administration and several small projects. At the end of 2017, approximately \$1,000,000 will be available for projects in 2018. Since the General Fund is first used to pay debt service on non-exempt general obligation bonds and the operation of the County, the County must have a funding plan for first meeting those obligations, and secondly, and no less importantly, to determine sustainable amounts of available dollars from the General Fund for capital projects.



Summit County Capital Improvement Policy

Capital Improvement Program 2017-2022

General Obligation Debt – Long term bonds financed by unvoted general property tax levies. General obligation debt is used in the financing of major projects that exceed the county's funding ability. In certain instances, non-tax revenue bonds backed solely by the pledge of general fund revenues such as investment earnings, charges for services, fees and fines may be issued.

Homeland Security Grants – Federal funds for the purpose of homeland security and public safety grant opportunities offered by agencies across the Federal government to make our nation more secure against the threat of terrorism, as well as other natural and man-made hazards. These grants include the preparedness of first responders and citizens, public health, infrastructure security, and other public safety activities.

Insurance Retention – In 2004 the County established an insurance retention fund, used primarily to cover the cost of liability insurance for Sheriff's deputies working extra jobs. Third party employers pay a fee of \$2.00 per hour to cover the county's cost of insurance related to these potential incidences. Once the balance in this fund exceeds \$200,000, fund balance may be used by the Sheriff for the purchase of equipment.

Motor Vehicle License and Gasoline Tax (MVGT) – Taxes levied on the sale of gasoline and motor vehicle licenses throughout the county. A percentage is distributed to the county and placed in the MVGT fund for operations of the Engineer.

Ohio Department of Transportation (ODOT) – Federal Funds allocated to Ohio and made available to the County.

Ohio Department of Rehabilitation & Corrections (ODRC) – Ohio Department of Rehabilitation & Corrections Grant Funding.

Ohio Public Works Commission (OPWC) – Bonds issued by the State of Ohio to fund conservation and revitalization of land and water within the state. Bonds issued for this purpose are to be paid by current liquor profits and general state revenues.



Summit County Capital Improvement Policy

Capital Improvement Program 2017-2022

Ohio Water Development Authority (OWDA) – OWDA loans are revenue obligations payable from the revenues of the systems that are improved with OWDA loans and from special assessments associated with those improvements.

Other Local – Contributions from other political subdivisions or private developers to pay a portion of project costs.

Permanent Improvements – Funds received from the sale of real property.

Policing Rotary Fund – Revenue collected from various funding sources including statutory and other contractual revenues.

Probation Fees - Monthly supervision fees collected from probationers.

Public Lands Highways Discretionary (PLHD) – PLHD provides funding for transportation planning, research, and engineering and construction of highways, roads, parkways, and transit facilities that are within, adjacent to, or provide access to Indian reservations and Federal public lands, including national parks, refuges, forests, recreation areas, and grasslands.

Real Estate Assessment Fund (REA) – Administrative fees collected by the Fiscal Office for the assessment of real property valuation within the county.

Sewer Fund – Financed primarily by user charges.

Special Projects – Special Revenue Fund of the Summit County Common Pleas Court used for special projects at the Court's discretion.



Summit County Capital Improvement Policy

Capital Improvement Program 2017-2022

Surface Transportation Program (STP) - provides flexible funding that may be used by States and localities for projects on any Federal-aid highway, including the NHS, bridge projects on any public road, transit capital projects, and intra city and intercity bus terminals and facilities.

Title Fund – Administrative fees and sales tax proceeds collected by the Clerk of Courts for the titling of motor vehicles within the county.

Water Pollution Control Loan Fund (WPCLF) – The WPCLF is capitalized through federal grants. The State of Ohio is required to match every \$5 dollar of federal funds with \$1 of state funds. This fund provides low interest loans to communities for wastewater treatment system improvements. It also funds other types of projects with the intent to protect and improve water resources. These projects include the control of storm water runoff, support of conservation practices on farms, brownfield cleanup, and the restoration of stream corridors and aquatic habitats.

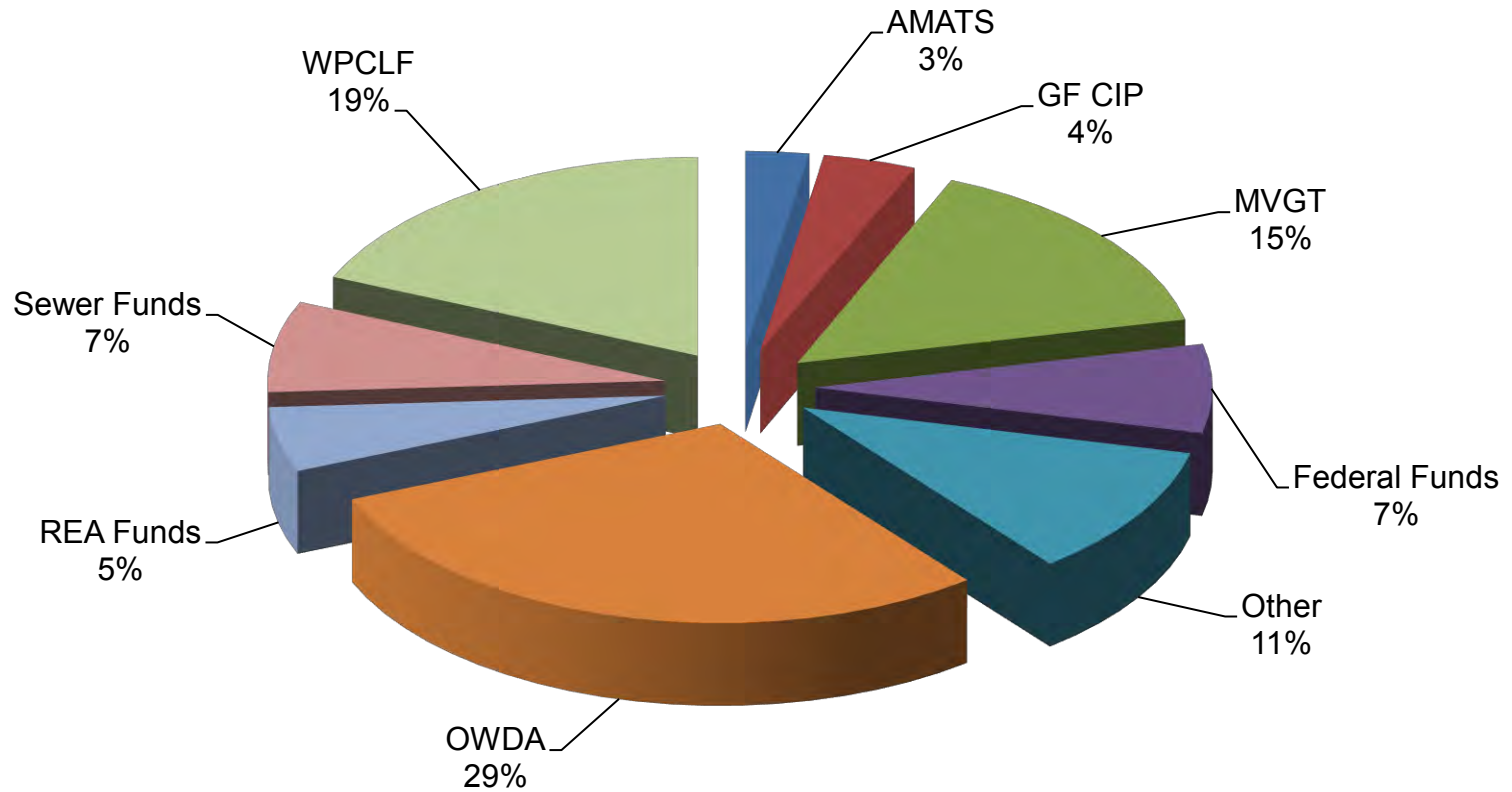


2017 CAPITAL IMPROVEMENT PROGRAM

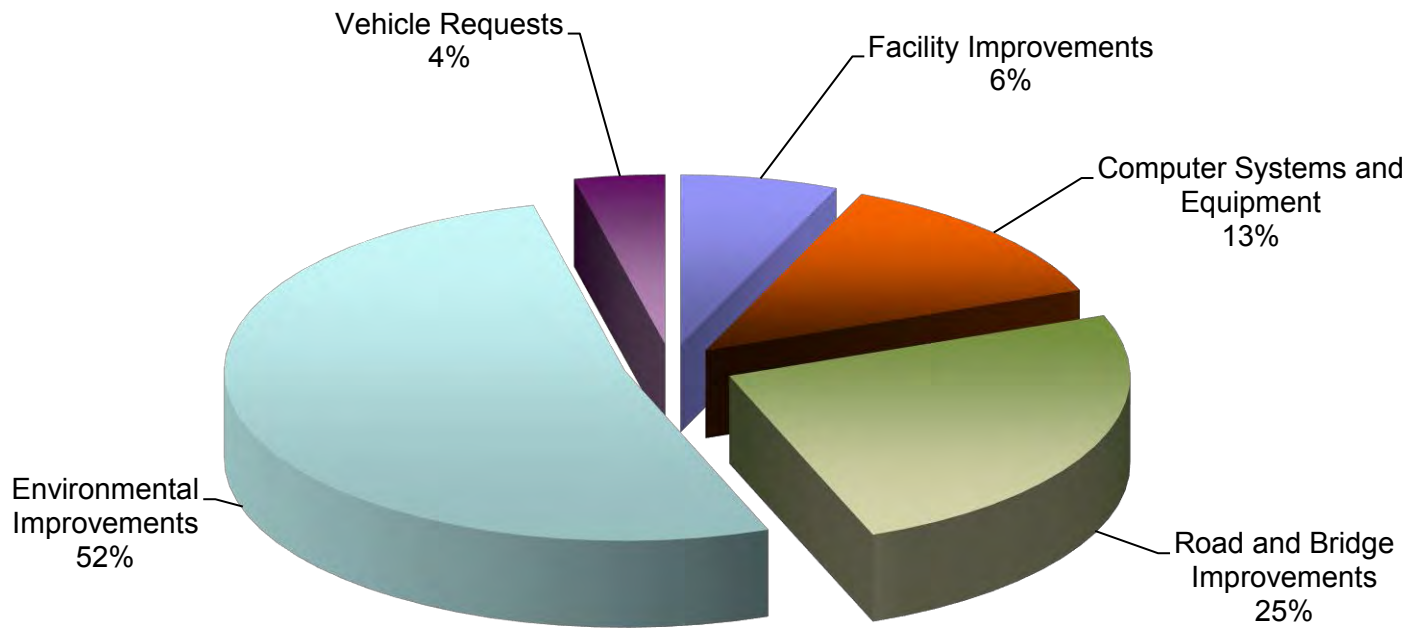
Sources and Uses

<u>FUNDING SOURCE</u>	<u>COMPUTER SYSTEMS AND EQUIPMENT</u>	<u>ENVIRONMENTAL IMPROVEMENTS</u>	<u>FACILITY IMPROVEMENTS</u>	<u>ROADS AND BRIDGES</u>	<u>ECONOMIC DEVELOPMENT</u>	<u>VEHICLES</u>	<u>TOTAL</u>
AMATS				\$915,545			\$915,545
CEAO				\$27,328			\$27,328
Computerization Funds	\$413,500						\$413,500
DJFS	\$70,500		\$150,000				\$220,500
Federal Funds				\$1,344,744			\$1,344,744
Federal Safety				\$1,220,012			\$1,220,012
Foreclosure Rotary						\$24,100	\$24,100
GF CIP	\$394,234		\$737,750	\$100,000	\$35,000	\$78,300	\$1,345,284
GO Debt			\$118,000				\$118,000
Insurance Retention						\$95,000	\$95,000
MVGT	\$198,500		\$50,000	\$4,744,223		\$391,000	\$5,383,723
ODOT				\$182,221			\$182,221
ODRC			\$435,981				\$435,981
OPWC				\$356,128			\$356,128
OWDA		\$10,240,000					\$10,240,000
Other Local	\$473,400		\$100,000				\$573,400
Permanent Improvements			\$180,000				\$180,000
Probation Fees	\$40,000					\$21,000	\$61,000
REA Funds	\$1,572,925					\$300,000	\$1,872,925
Rotary Fund	\$40,400					\$193,500	\$233,900
Sewer Funds	\$566,500	\$1,735,000	\$383,000			\$202,340	\$2,886,840
Special Projects	\$200,000		\$80,000				\$280,000
State of Ohio	\$593,774						\$593,774
WPCLF		\$6,588,000					\$6,588,000
TOTAL	\$4,563,733	\$18,563,000	\$2,234,731	\$8,890,201	\$35,000	\$1,305,240	\$35,591,905

2017 County of Summit Capital Improvement Program Sources of Funding



2017 County of Summit Capital Improvement Program Uses of Funding





FACILITY IMPROVEMENTS



2017 CAPITAL IMPROVEMENT BUDGET

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Engineer				
Boston (North) Station				
Facility Improvements	\$25,000	MVGT	\$275,000	General Improvements anticipated for our Boston (North) Station. The 2017 program will include asphalt repairs to driveway approach.
South Street				
Facility Improvements	\$25,000	MVGT	\$400,000	General Improvements anticipated to our South Street complex. The 2017 program will include roof repairs to Building 8.
Executive				
Department of Sanitary Sewer Services				
Plant 25 Fishcreek Data Center Fire Suppress	\$18,000	Sewer Funds	\$18,000	Installation of a proper fire suppression system to protect the server / data center.
Plant 25 and Plant 36 ARCFIash Evaluation	\$100,000	Sewer Funds	\$100,000	Engineering study and labeling of electrical cabinets to meet new ArcFlash and NFPA 70E electrical safety requirements.
Plant 36 Upper Tusc Influent Building Imp	\$20,000	Sewer Funds	\$20,000	Rehabilitation and / or replacement of garage door, doors, heaters / heating system upgrade; to support switch from ferric chloride to aluminum since aluminum must be kept at a temperature of >50 degrees.
Plant 36 Upper Tusc Tertiary Bldg Roof	\$120,000	Sewer Funds	\$120,000	Replacement of the roof of the tertiary filter building. The current roof was installed in 1980 and is at the end of its useful life.
Vehicle Maintenance Garage (space study & eng)	\$125,000	Sewer Funds	\$475,000	Space study & engineering in 2017 with payment from Sewer Enterprise Fund; Construction of a new facility, funded through WPCLF, to consolidate sewer, fleet & pump maintenance. This will provide needed space in a more secure location. This will also include inventory consolidation and control and centralized purchasing.



2017 CAPITAL IMPROVEMENT BUDGET

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
General Government				
Animal Control Facility General Repairs and Maintenance	\$10,000	Permanent Improvements	\$120,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Board of Elections General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Parking Lot Upgrade	\$118,000	GO Debt	\$118,000	Replace deteriorating stairs and portion of retaining wall. Also repair and overlay parking lot.
Community Based Corrections Facility Men's CBCF Repair	\$206,570	ODRC	\$206,570	The State has approved funding in the amount of \$206,570 for improvements at the Men's CBCF Building. The project include masonry repairs, asphalt repairs and a boiler replacement. To date \$19,750 has been awarded in contracts.
Women's CBCF Repair	\$229,411	ODRC	\$229,411	Summit County has been awarded \$450,000 in capital funds to correct foundation settlement at the Women's CBCF on Sherman Street. The building was built on an old fill site in 2000 with some localized settlement occurring on spread footings supporting non-load bearing walls. This project will support and stabilize the spread footings, level floors as required and repair cracked masonry walls. Construction work on first project completed by Cavanaugh Building Corp at a cost of \$200,945.50 and design work totaling \$19,644.44.
Edwin Shaw Property				



2017 CAPITAL IMPROVEMENT BUDGET

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
General Maintenance & Upkeep	\$25,000	GF CIP	\$25,000	\$12,000 for contract with the Village of Lakemore to maintain patrols and snow removal at Edwin Shaw property. Remainder for permits, fees, misc expenses and repair of vandalized property.
Jobs and Family Services				
General Repairs and Maintenance	\$150,000	DJFS	\$150,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Medical Examiner				
General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Ohio Building				
General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Safety Building				
Replace Courthouse Connector Roof	\$25,000	GF CIP	\$25,000	Remove and replace roof on connector walkway from Safety Building to Courthouse
Summit Center				
General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Summit County Parking Deck				
General Repairs and Maintenance	\$35,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Tallmadge Avenue Facility				
General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Pave Parking Lot	\$100,000	Other Local	\$100,000	Repair and overlay main parking lot at the facility. Excess DFA bond proceeds issued on behalf of Summit Workforce Solutions will be used.



2017 CAPITAL IMPROVEMENT BUDGET

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Veterans Service Bldg. General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Judicial and Public Safety				
Domestic Relations Court/Clerk of Courts General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Juvenile Court and Detention Center General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Safety Building Carpet 4th Floor	\$40,000	GF CIP	\$40,000	Replace existing, frayed carpet that is coming loose and becoming a tripping hazard.
General Repairs and Maintenance	\$10,000	Permanent Improvements	\$60,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Summit County Courthouse Façade Cleaning and Repair	\$250,000	GF CIP	\$250,000	Repair façade at the Courthouse and Annex. The existing coating on the lower level is peeling and allowing the stone to deteriorate.
General Repairs and Maintenance	\$20,000	Permanent Improvements	\$120,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Probate Renovation	\$70,000	GF CIP	\$150,000	Renovate the Probate Courtroom for court technology
	\$80,000	Special Projects		
Upgrade Bathrooms in Basement	\$75,000	GF CIP	\$75,000	Renovate the 4 public bathrooms on the ground level of the Courthouse and Annex.



2017 CAPITAL IMPROVEMENT BUDGET

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Summit County Jail				
General Repairs and Maintenance	\$25,000	Permanent Improvements	\$150,000	Building Improvements including paint, tile, and wall coverings and miscellaneous improvement projects.
Housing Unit Fencing	\$122,750	GF CIP	\$122,750	Install a 132'x 13' high galvanized 6 gauge chain link fence at 29 different locations at the Summit County Jail. Some of the pods already have this design.
Sanitary Sewer Grinder Pump	\$130,000	GF CIP	\$130,000	Install a grinder pump on main sanitary sewer lateral at the northeast corner of Jail
Total: Facility Improvements	\$2,234,731		\$4,019,731	



ECONOMIC DEVELOPMENT



2017 CAPITAL IMPROVEMENT BUDGET

Economic Development

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Executive				
Economic Development				
Canal Way Development & Trail Plan - Grant Prog	\$35,000	GF CIP	\$210,000	\$35,000 for grants to various communities in partnership with the Ohio & Erie Canal Corridor Coalition.
Total: Economic Development	\$35,000		\$210,000	



COMPUTER SYSTEMS AND EQUIPMENT



2017 CAPITAL IMPROVEMENT BUDGET

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Engineer				
Maintenance Department				
Heavy Equipment	\$175,000	MVGT	\$1,290,000	Replacements necessary due to unreliability, poor physical condition, and high/increasing maintenance costs. Planned purchase of 1 front-end loader, utility body for 40037, floating scaffolding, and mobile lifts (2017).
General Government				
Board of Elections				
Poll Books	\$104,784	GF CIP	\$698,558	Purchase of 462 ExpressPoll tablets with barcode scanning and signature capture capabilities. Additionally this project will require \$70,000 in boothworker training funds. Annual licensing, maintenance and Triad expenses will require an additional \$64,200.
	\$593,774	State of Ohio		
Information Technology				
Hardware & Software				
Appraisal Software Upgrade	\$100,000	GF CIP	\$473,400	
	\$473,400	Other Local		



2017 CAPITAL IMPROVEMENT BUDGET

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
	\$1,549,425	REA Funds	\$2,522,825	The current Fiscal Office CAMA system software was purchased in 1993 and has been in use since 1995. The software is beyond its useful life and requires daily maintenance. Per discussions with OIT the Fiscal Office is in great need of a software upgrade or replacement. The project will be funded \$1,549,425 REA fund and \$973,400 General Fund or other funding sources.
Disaster Recovery and Backup	\$100,000	GF CIP	\$100,000	For the improvement of the county wide information systems disaster recovery implementation. Funds will be used to duplicate or replicate a portion (up to 50%) of our virtualized production data servers to the chosen datacenter platform. This service will improve our system redundancy and substantially reduce our recovery time window for downtime of mission critical systems in the event of a disaster.
Hardware GPS Handheld Devices	\$25,000	Sewer Funds	\$75,000	Purchase of additional GPS handhelds for field utilization / location of sanitary sewer infrastructure
Hardware Plant 25 & 36 Access Control/ Security	\$45,000	Sewer Funds	\$85,000	Purchase and Installation of hardware to provide monitoring and control of outside entrances within our two major waste water treatment plants. Purchase and installation of hardware to secure Plant 25 and Plant 36 Data Centers
Hardware SCADA Upgrade Pump Stations, Ph 2	\$105,000	Sewer Funds	\$105,000	Purchase and installation of programmable logic controllers and other equipment to allow the implementation of a wireless SCADA solution for approximately 35 pump stations
Software Asset Module of ServiceNow	\$50,000	Sewer Funds	\$50,000	Purchase and installation of asset module to track DS3 assets.
Software CUBIC ebills and credit card payments	\$23,000	Sewer Funds	\$23,000	Purchase and configuration for electronic billing and electronic payment module for our existing CUBIC Utility Billing System



2017 CAPITAL IMPROVEMENT BUDGET

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Software CheckPoint Threat Protection	\$1,500	Computerization Funds		
	\$4,500	DJFS		
	\$4,500	GF CIP		
	\$1,500	MVGT		
	\$1,500	REA Funds		
	\$1,500	Sewer Funds	\$15,000	Migration off of Proxy Server (Includes migration rules from proxy server)
Software Cityworks PLL / Permitting Module	\$85,000	Sewer Funds	\$85,000	Purchase and installation of software to provide management / issuance of sanitary sewer connection permits
Software ORION Project Management	\$125,000	Sewer Funds	\$125,000	Purchase, configuration and installation of software to improve capital planning and to capture all capital planning data in a database; possible use by County Engineer, Physical Plants and OBM.
Software Office 365 Enterprise License	\$15,000	Sewer Funds	\$60,000	Purchase of licenses E1 and E3 for agency staff (OIT)
Software OnBase Document Management System	\$70,000	Sewer Funds	\$70,000	Purchase and installation of EDMS licensing, configuration, and maintenance
Software Splunk SIEM	\$10,000	Computerization Funds		
	\$30,000	DJFS		
	\$30,000	GF CIP		
	\$10,000	MVGT		
	\$10,000	REA Funds		
	\$10,000	Sewer Funds	\$100,000	Security event management - Network and system monitoring
Software VEEAM Backup and Replication	\$12,000	Computerization Funds		
	\$36,000	DJFS		
	\$36,000	GF CIP		
	\$12,000	MVGT		
	\$12,000	REA Funds		
	\$12,000	Sewer Funds	\$120,000	Purchase and installation of backup/replication software and support for backing up and replicating SCADA



2017 CAPITAL IMPROVEMENT BUDGET

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Judicial and Public Safety				
Clerk of Courts Clerk's Case Management System Module Expansion	\$200,000	Computerization Funds	\$200,000	Software development and continued implementation of the Case Management System in the Clerk of Courts Office, Domestic Relations Court, Prosecutors Office and Court of Appeals. Includes E-Filing and Accounting modules for the Clerk and Courts and evidence module for Clerk and Prosecutor.
Common Pleas Court-Adult Probation Computer Equipment Replacement	\$40,000	Probation Fees	\$40,000	Replace existing personal computers, monitors and laptops in adult probation.
Common Pleas Court-General Division Computer Equipment Replacement	\$150,000	Computerization Funds	\$150,000	Replace existing personal computers, monitors and laptops in the general division.
Courtroom Technology	\$200,000	Special Projects	\$1,200,000	Digital displays, sound and smartboard presentations for courtrooms. This will allow both the plaintiffs and defendants to have access to the same level of equipment. This will help increase the speed of trials.
Server Replacement	\$40,000	Computerization Funds	\$40,000	Replace the Court's three servers that make up our Vmware environment, plus the disk storage or SAN
Sheriff 10 Vehicle Computers	\$40,400	Rotary Fund	\$40,400	Replacement of MDW 800s which are no longer being supported.



2017 CAPITAL IMPROVEMENT BUDGET

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Summit County Jail Sapphire System	\$18,950	GF CIP	\$18,950	The Summit County Sheriff's Office has eight servers for the Summit County Jail. This room has a water supply emergency system in case of a fire. Tyco Simplex Grinnell provided a quote for a Sapphire System for all design, materials, fabrication, delivery, labor, equipment, and supervision necessary for the installation of this system.
Total: Computer Systems & Equipment	\$4,563,733		\$7,213,733	



VEHICLES



2017 CAPITAL IMPROVEMENT BUDGET

Vehicles

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Engineer				
Maintenance Department				
Dump Plows	\$305,000	MVGT	\$1,455,000	Replacements necessary due to unreliability, poor physical condition, and high/increasing maintenance costs. Planned purchase of 1 tandem axle cab and chassis with swap loaders, carry-all trailer (2017).
Pick-up Trucks	\$86,000	MVGT	\$370,000	Replacements necessary due to unreliability, poor physical condition, and high/increasing maintenance costs. Planned purchase of 2 F150 pick-ups and 1 replacement pool car (2017).
Executive				
Sanitary Sewer Services				
Ford 150 Pu	\$8,690	Sewer Funds	\$143,690	Replacement and/or purchase of various vehicles and mobile equipment. All replacements are necessary due to unreliability, poor physical condition and high/increasing maintenance costs.
Ford Back Hoe	\$90,000	Sewer Funds	\$90,000	Replacement and/or purchase of various vehicles and mobile equipment. All replacements are necessary due to unreliability, poor physical condition and high/increasing maintenance costs.
Ford F550 / 1 Ton Dump	\$15,384	Sewer Funds	\$75,384	Replacement and/or purchase of various vehicles and mobile equipment. All replacements are necessary due to unreliability, poor physical condition and high/increasing maintenance costs.
Ford Taurus	\$4,345	Sewer Funds	\$4,345	Replacement and/or purchase of various vehicles and mobile equipment. All replacements are necessary due to unreliability, poor physical condition and high/increasing maintenance costs.



2017 CAPITAL IMPROVEMENT BUDGET

Vehicles

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Ford Van	\$5,885	Sewer Funds	\$5,885	Replacement and/or purchase of various vehicles and mobile equipment. All replacements are necessary due to unreliability, poor physical condition and high/increasing maintenance costs.
Gmc 1500 Pu	\$13,036	Sewer Funds	\$13,036	Replacement and/or purchase of various vehicles and mobile equipment. All replacements are necessary due to unreliability, poor physical condition and high/increasing maintenance costs.
Kubota Excavator (Mini)	\$65,000	Sewer Funds	\$65,000	Replacement and/or purchase of various vehicles and mobile equipment. All replacements are necessary due to unreliability, poor physical condition and high/increasing maintenance costs.
General Government				
Fiscal - Appraisal Department Passenger Vehicles	\$300,000	REA Funds	\$300,000	Purchase 10 County vehicles for the Fiscal Office appraisal staff. Currently the appraisers use their personal vehicles for field work and receive the federal mileage reimbursement rate. The Fiscal Officer has decided to purchase County vehicles for use by the appraisal staff.
Judicial and Public Safety				
Common Pleas Court-Adult Probation Passenger Vehicles	\$21,000	Probation Fees	\$42,500	Vehicle replacements necessary due to unreliability, poor physical condition, and high/increasing maintenance costs.
Sheriff 1 Marked Civil Vehicle	\$24,100	Foreclosure Rotary	\$24,100	Replace vehicle used on a daily basis to serve protection orders, and vacate orders, along with foreclosures. This is currently being used by the new civil foreclosure Deputy.



2017 CAPITAL IMPROVEMENT BUDGET

Vehicles

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
3 Prisoner Transport Vans	\$78,300	GF CIP	\$78,300	Prisoner Transport Van needed for Conveyance of prisoners to Court and to Prison. Over the past 4 years, 4 of the passenger vans have been Auctioned off due to need and 1 van has been purchased for replacement.
5 Unmarked Vehicles	\$95,000	Insurance Retention	\$95,000	The Sheriff's Office is in need of replacement unmarked vehicles. These vehicles have high mileage and are costly to maintain.
7 Community Rotary Patrol Vehicles	\$193,500	Rotary Fund	\$193,500	7 New Patrol vehicles needed for contracted areas. These vehicles were all assessed and found to be to costly to repair and the frames are unsafe. These vehicles if not replaced every year, have over 100,000 miles in approximately 1 year of service due to being driven 24 hours a day.
Total: Vehicles	\$1,305,240		\$2,955,740	

County of Summit · The High Point of Ohio



ENGINEER



2017 CAPITAL IMPROVEMENT BUDGET

Bridge Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Engineer				
Bridge Engineering and Construction Projects				
Bridge Repair/Rehabilitations	\$125,000	MVGT	\$750,000	This is a set aside amount of \$25,000 per year for structural engineering and an additional \$100,000 per year for construction of bridge repair projects that are uncovered during our annual bridge inspection programs.
Bridge Waterproofing	\$25,000	MVGT	\$150,000	The proposed improvement involves installation of ODOT Item 512, Type 3 waterproofing on existing bridge decks and the tops of box culverts. The waterproofing is installed after the existing asphalt and existing waterproofing (if present) is milled off and a new asphalt leveling surface is placed on the bridge. Lastly, a new asphalt wearing surface is placed on top of the new waterproofing layer. This work is necessary when the old waterproofing has failed, or is not present, and salt laden water is leaking through relatively porous asphalt and/or joints between adjacent precast box beams and adjacent box culvert sections. The waterproofing aids in the preservation and life of the structure by keeping salt laden water away from precast concrete members and away from vulnerable reinforcing steel within the concrete.
Greenwich Road Bridge	\$160,000	MVGT	\$160,000	In the City of Norton, replace the Greenwich Road Bridge over Hudson Run with a four (4) sided box culvert. This bridge has a sufficiency rating of 19 and is one of the lowest rated structures on the Summit County inventory.



2017 CAPITAL IMPROVEMENT BUDGET

Bridge Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
High Level Bridge	\$400,000	MVGT	\$1,415,000	High Level Bridge (AKR-008-0909) over the Cuyahoga River. This is a preventative maintenance project on the county's most expensive structure. An inspection and documentation of the areas requiring painting will be developed into a detailed zone painting project. The same inspection will provide information regarding which structural members need to be upgraded to meet current safety standards. (gusset plates will be modified to strengthen their connections with the existing structural members 2017) (zone painting 2018). This bridge was built in 1948 and has a sufficiency rating of 39.2 (out of a possible 100 point score) and is classified as functionally obsolete.
Home Avenue Bridge	\$100,000	MVGT	\$1,584,000	Replace existing bridge over the Little Cuyahoga River in Akron which was built in 1954 and has a sufficiency rating of 42.7 (out of a possible 100 point score) and is classified as structurally deficient. This triple span, continuous concrete slab deck is 73 foot long, 65 foot wide and carries four lanes of traffic.
N. Main over Howard St.	\$100,000	MVGT	\$275,000	Prepare plans for bridge elimination and installation of at-grade crossing (2017). Project construction pending funding application through CEAO (2021).
Riverview Rd Bridge - Cuy. Falls	\$300,000	MVGT	\$1,613,200	In the City of Cuyahoga Falls, rehabilitate the existing Riverview Road bridge over Furnace Run Rd. Replace the bridge deck, replace a portion of the pier caps and replace the wing walls and parapets. This bridge carries a load limit restricting the bridge to only 55% of legal loads.



2017 CAPITAL IMPROVEMENT BUDGET

Bridge Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Vanderhoof Road Bridge	\$705,944 \$176,486	Federal Funds MVGT	\$882,430	The existing bridge over the Tuscarawas River in New Franklin was built in 1929 and has a Sufficiency rating of 50 (out of a possible 100 point score) and is classified as structurally deficient. The bridge is a non-redundant fracture critical structure that has been retrofitted with steel plates to stabilize the bridge. This single span, through girder, is 82 foot long, 27 foot wide and will be replaced with a 32 foot wide deck. The type of bridge will be determined as part of the preliminary design and will provide for both vehicular and pedestrian traffic.
Total: Bridge Improvements	\$2,092,430		\$6,829,630	



2017 CAPITAL IMPROVEMENT BUDGET

Road & Ditch Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Engineer				
Highway Engineering Projects				
CEAO HSIP Safety Studies	\$27,328	CEAO	\$30,365	Awarded safety funding for Pavement Marking Inventory (\$17,385), Sign Compliance (\$10,980) and Software (\$2,000)
Landslide Mitigation	\$3,037 \$100,000	MVGT MVGT	\$600,000	This project will provide an inventory and assessment of current landslide hazards, a strategy to mitigate landslide hazards, and to repair landslide damage. The County will develop a comprehensive and efficient strategy for reducing risks, damage and losses from landslides and slope movements at designated locations in the northwest portion of the County.
Traffic Signal Improvements	\$50,000	MVGT	\$115,000	Traffic signal battery backups for 6 intersections (2017). Traffic signal upgrade to Canton Road and Sanitarium Road. (2018)
Pavement, Culvert & Ditch Maintenance				
Culvert Replacement Program	\$65,000	MVGT	\$565,000	The installation and/or removal and replacement of storm sewer, ditch, and pavement to prevent flooding and damage to roads in various locations throughout the county. Project areas determined by condition from prior year's inspection and are based upon culvert condition.
Regional Stormwater	\$100,000	GF CIP	\$600,000	Design and construction of Regional Detention Basins as a method of capturing flood waters, holding them, and slowly releasing them to avoid catastrophic damage to downstream areas. Clearing of debris from county ditches, streams and channels. Preparation of studies and estimates for potential assessed projects. Repair and maintenance of County non-petition ditches. Preparation and administration of the NPDES reporting to the EPA.



2017 CAPITAL IMPROVEMENT BUDGET

Road & Ditch Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Sewer Cleaning Program	\$50,000	MVGT	\$300,000	Annual Task Order for our enclosed systems to clean out our existing roadway storm sewers, perform video inspection to assess the conditions of storm sewers within county road rights-of-ways and rate their condition to determine what repairs are needed.
Roadway Construction Projects				
Annual Roadway Maintenance	\$300,000	MVGT	\$1,600,000	This program is a combination of road maintenance and safety projects that do affect the structural strength of the roadway. The 2017 request includes crack sealing (\$100,000), asphalt rejuvenation (\$50,000), and striping (\$150,000).
Annual Roadway Resurfacing	\$2,500,000	MVGT		
	\$356,128	OPWC	\$17,855,880	This program is a combination of resurfacing projects that affect the structural strength of the roadway. Included are 448 Asphalt (Hot Mix), 405 Asphalt (Motor Paving), and 409 (Chip Seal). Resurface County roads in order to maintain a PCI at 68. OPWC money will be used toward resurfacing of Killian Rd from S. Main St. to Arlington Rd (2017).
Boston Mills Road	\$558,800	Federal Funds		
	\$139,700	MVGT	\$698,500	In Boston Township, rehabilitate the first phase of a 1 mile long section section of Boston Mills Road starting at Riverview Road and extending to a point just west of the parking lots for Blue Hen Falls. A section of roadway approximately 1,000 feet long will be reconstructed. The parking lots at Blue Hen Falls and the parking lot at the intersection of Boston Mills and Riverview Road are destinations for park visitors. Due to a lack of shoulders, pedestrians and cyclists must walk in the roadway pavement to traverse from one site to another. We propose to provide both adequate shoulders and improved drainage within the corridor, however due to restrictions on the amount of federal funding available we will only be able to study the environmental impacts of the entire 1 mile corridor and construct a



2017 CAPITAL IMPROVEMENT BUDGET

Road & Ditch Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Canton Road Improvements	\$915,545 \$1,220,012 \$182,221	AMATS Federal Safety ODOT	\$9,328,537	portion of the actual improvements. PID89113 Implementing countermeasures recommended by a safety study (8-29-2006) prepared by the Summit County Engineer and approved by ODOT to improve the safety and operation of Canton Road between Sanitarium Road and Waterloo Road. The project includes widening Canton Road to 5 lanes, traffic signal upgrades, replacement of curb and gutters, construction of sidewalk/bike path, concrete sidewalks, storm sewers, replacing box culvert, pavement repairs, resurfacing, pavement marking and traffic signs. Design construction started in 2007 and construction contracts will be awarded in 2018. The project is estimated for completion 2019.
Canton Road Sidewalks	\$80,000 \$75,000	Federal Funds MVGT	\$435,000	Installation of sidewalks from Sanitarium Road to north of Tri-County Plaza (westside only).
Community Partnerships	\$50,000	MVGT	\$300,000	County participation in community administered OPWC approved projects.
Intersection Improvements	\$25,000	MVGT	\$650,000	Safety and traffic control improvements at existing intersections throughout the County. Includes force account and contractor work as needed.
Total: Road & Ditch Improvements	\$6,797,771		\$33,078,282	



ENVIRONMENTAL IMPROVEMENTS



2017 CAPITAL IMPROVEMENT BUDGET

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
DSSS				
Pump Station Improvements				
PS 11 Upgrade and Force Main Realignment (cons)	\$460,000	OWDA	\$460,000	Partial abandonment of existing force main and construction and realignment of approx 3,054 L.F. of 6" DIP. Realignment and new connection will be on Olde 8 Rd to manhole XAHN.
PS 122 Improvements (cons)	\$60,000	Sewer Funds	\$60,000	Upgrading electrical panel, installing soft starts, and rebuilding pumps.
PS 123 Improvements (eng and cons)	\$150,000	Sewer Funds	\$150,000	Cleaning the holding tank, updating and automating the surge station and tank (new valves, controls, instrumentation, and possible piping re-alignment).The designing, programming and installation will be performed by others.
PS 19 Replacement (cons)	\$1,840,000	WPCLF	\$1,840,000	Replacement and relocation of the existing 750 GPM pump station, realignment of the force main, and possible construction of a gravity sewer flowing to the Season's Road Pump Station. The existing pump station is prone to flooding during wet-weather events due to overflow from Wyoga Lake. Existing pump station structure and equipment are at the end of their useful lives (constructed in 1966). An alternate design will be evaluated which could direct the flow from the service area for the pump station from the Mudbrook Trunk, which flows to Akron, to County-owned sewers to ultimately be treated at our Fishcreek Plant. This change will require an agreement with Akron and a modification to the 208 Facilities Plan.
PS 29 Replacement (eng)	\$65,000	Sewer Funds	\$65,000	Replacement of a pump station due to its poor condition. It is at the end of its useful life.
PS 3 Upgrade and Force Main Rehab/Realmt (cons)	\$455,000	OWDA	\$455,000	Replacement 1,950 L.F. of a 6" force main. An alternative consisting of redirecting the flow from PS105 to PS3, changing the pumps in PS3 then redirecting its flow to the PS105 force main will also be investigated.



2017 CAPITAL IMPROVEMENT BUDGET

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
PS 36 Replacement (eng)	\$100,000	OWDA	\$100,000	Rehab and replacement of electrical motors and pumps to attain the proper and necessary pumping rate of 250 GPM. These repairs are in lieu of the replacement of 12,400 L.F. of 8" and 12" VCP. Improvement is necessary due to surcharging at the pump station which results in overflows within the gravity collection system.
PS 4 Rehabilitant, Roof Replacement	\$15,000	Sewer Funds	\$15,000	Replacement of an old and leaking roof.
PS 6 Pump Replace, Electrical, Flow Meter, Roof	\$725,000	OWDA	\$725,000	Replacement of all main pumps (3), an upgrade of the electrical service, and the installation of a flow meter for the pump station located at 5246 Hudson Drive. The new pumps will increase the capacity and GPM of the pump station. The work also includes the replacement of the roofs on 3 buildings at this location, replacement of the waterline & other piping in the drywell, and the evaluation of connecting the PS 13 force main directly into the PS 6 force main. The increased capacity will provide the required velocity through the force main. This includes a PS 13 force main extension and re-alignment.
PS 68 Rehabilitation, Roof Replacement	\$15,000	Sewer Funds	\$15,000	Replacement of an old and leaking roof.
PS 78 Force Main Replacement (eng)	\$100,000	OWDA	\$100,000	Replacement of 2000 L.F. of DIP due to deteriorating conditions and repetitive failures.
PS 81 Force Main Replace & Realignment (eng)	\$50,000	Sewer Funds	\$50,000	Replacement of force main and realignment to remove it from the Summit Racing parking lot; there have been numerous breaks in the force main over the last 5 years.
PS123 CVI Force Main Evaluation / eng Report	\$200,000	Sewer Funds	\$200,000	Engineering study, evaluation, and report for CVI force main (pumps to Northeast Ohio Regional Sewer District); it is to include PS 4, PS 10, & PS 123.
Sewer System Improvements				
Baumgarder St Collection System Repairs (eng)	\$80,000	Sewer Funds	\$80,000	Replacement of sections of pipe due to poor structural condition; issue with inflow and infiltration. Resident Shrewsbury has had multiple WIB.



2017 CAPITAL IMPROVEMENT BUDGET

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Broadledge Sewer Repair/Replacement (eng)	\$40,000	Sewer Funds	\$40,000	Replacement of an older section of sewer consisting of 851 ft of 8" pipe (in a backyard easement) that requires frequent cleaning and root removal. Remedial action will be to line and to replace defective sections. An alternative solution of privately owned grinder pumps to allow abandonment of existing line and pumping of flows to a gravity sewer will be evaluated. Possible use of individual grinders to sewer in front of the house and to abandon the existing line.
Cleveland Ave (SR 532) Trunk Sewer (eng)	\$100,000	OWDA	\$100,000	Construction of a new trunk sewer to permit gravity sewer service to the golf course development in Mogadore and numerous other businesses along or near the stream.
Cresswood erosion control	\$50,000	Sewer Funds	\$50,000	Storm water is creating significant erosion around the 24" trunk line into resident's yard.
Hillstock Trunk Sewer Rehab/Replacement (eng)	\$150,000	Sewer Funds	\$150,000	Replacement and "upsizing" of 1,528 L.F. of 8" and 12" trunk with new 12" to 21" PVC sewer located northeast of the intersection of SR224 and SR91. The replacement of the sewer trunk line is necessary to address capacity issues and to accommodate expansion of the City of Akron JEDD sewers.
Hines Hill Trunk Sewer Replacement (eng)	\$200,000	OWDA	\$200,000	Clean, inspect, and perform conditional assessment on 9,700 L.F. of 8" and 12" VCP.
Hudson SSO Elim- OEPA Cons Order, Area J (cons)	\$2,000,000	OWDA	\$2,000,000	Repairs and replacement mandated by OEPA Consent Order; this consists of 10,700 L.F. Project will require public and private side improvements with the estimated costs to be public side improvements only.
Hudson SSO Elim- OEPA Cons Order, Area J (eng)	\$200,000	OWDA	\$200,000	Repairs and replacement mandated by OEPA Consent Order; this consists of 10,700 lineal feet. Project will require public and private side improvements with the estimated costs to be public side improvements only.



2017 CAPITAL IMPROVEMENT BUDGET

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Hudson SSO Elim- OEPA Cons Order, Area L (eng)	\$250,000	OWDA	\$250,000	Repairs and replacement mandated by OEPA Consent Order; this consists of 14,800 L.F. Project will require public and private side improvements with the estimated costs to be public side improvements only.
Indian Creek - Exposed Sewers Repair (cons)	\$500,000	OWDA	\$500,000	Erosion of the creek bed in Indian Creek has uncovered four different sanitary sewer lines that cross the creek. This project will install protection for those lines. This may be a joint project with the City of Macedonia. There is also culvert on Sioux Lane that needs replacing.
Little Cuyahoga Master Meter (land acqu & cons)	\$35,000	Sewer Funds	\$110,000	Construction of a sewage master meter for billing purposes on the Little Cuyahoga River trunk sewer that serves Mogadore and Springfield Township.
Manhole Rehabilitation Program (cons)	\$100,000	Sewer Funds	\$800,000	Rehabilitation of various manholes to address poor structural integrity and/or to eliminate the infiltration of ground water. Selection of the manholes scheduled for rehabilitation is based on inspection and conational assessment. Rehab of manholes in Hines Hill Trunk is scheduled in 2016. This is an annual program and is necessary to comply with EPA CMOM requirements. This program also reduces treatment costs at both DOSSS treatmentfaculties as well as facilities owned by others.
Middleton Rd Sewer Line Replacement (cons)	\$1,700,000	OWDA	\$1,700,000	Replacement of 4,800 L.F. of 8" asbestos concrete pipe (ACP) on Middleton RD between SR91 (Darrow Rd) and Stow Rd.
Mogadore Sewer System Rehabilitation (cons)	\$100,000	Sewer Funds	\$1,550,000	Rehabilitation and / or replacement of aging sewer infrastructure to eliminate inflow and infiltration and to meet OEPA CMOM requirements.
Mudbrook Trunk Bar Screen Landslide Stab (cons)	\$700,000	OWDA	\$700,000	Repair / stabilization of 3 separate landslide areas. The landslide areas are over the trunk and represent a potential failure or break in the Mudbrook Trunk.



2017 CAPITAL IMPROVEMENT BUDGET

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Mudbrook Trunk Cleaning	\$150,000	Sewer Funds	\$450,000	Mechanical removal of accumulated grit in the Mudbrook trunk line. The size of the line, the amount of grit, and the volume of flow requires equipment larger than the County owns. Removal of grit will provide for greater flow and capacity of the trunk.
New Franklin 2A Manchester Rd , South (eng)	\$165,000	WPCLF	\$165,000	New Growth. Assessed project. Construction of new dual force mains and collection system with flow going to Barberton WWTP.
New Franklin 2B Manchester Rd Sewer (eng)	\$68,000	WPCLF	\$68,000	New growth. Assessed project. Construction of a new sewer trunk. Will remain dry until Contract 2 is complete. Necessary to be in advance of road improvement by the City.
New Franklin 3 Bali Rd Vacuum Station (eng)	\$420,000	WPCLF	\$420,000	New Growth. Assessed project. Construction of a new pump station and collection system to serve a portion of New Franklin. All flow will be pumped to the Barberton WWTP.
New Franklin 5 Renninger Rd Trunk (eng))	\$375,000	WPCLF	\$375,000	New Growth. Assessed project. Construction of a new sanitary sewer trunk with flow going to the Barberton WWTP.
New Franklin 7A Vanderhoof PS & Coll Sys (eng)	\$480,000	WPCLF	\$480,000	New Growth. Assessed project. Construction of a new pump station, force main, and collection system with flow going to the Barberton WWTP.
New Franklin Contract 1 Zelray Park PS (eng)	\$340,000	WPCLF	\$340,000	Abandonment of existing WWTP and the construction of a new regional pump station. Existing flow from current customers and future flows from new customers will be transported and treated by Barberton WWTP. Some costswill be recovered through assessments over a 20 year period.
Old Home Ditch Repair of Exposed Sewers (cons)	\$500,000	OWDA	\$500,000	Erosion of the creek bed in the creek has uncovered a sanitary sewer line which cross the creek. This project will install protection for those lines.
PS 19 Collection System I&I Evalatuion / Study	\$50,000	Sewer Funds	\$50,000	Evaluation and analysis of the amounts of inflow and infiltration in the collection system. Results will be used for planning future capital projects.



2017 CAPITAL IMPROVEMENT BUDGET

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Stow Gorge Replacement Ph1 (cons)	\$800,000	WPCLF	\$800,000	Replacement of approximately 2,100 ft of gravity sewer that was installed in 1923. Pipe material is clay and cast iron; sizes range from 8" to 20".The location is near the southeast corner of Kent Road and Darrow Road, adjacent to Adell Durbin Park.
Various Sanitary Sewer Repairs, Q455 (cons)	\$600,000	OWDA	\$600,000	Replacement of gravity trunk sewer. Pipe material is cast / ductile iron; sizes range from 8" to 20".
Various Sanitary Sewer Repairs, Q455 (eng)	\$80,000	Sewer Funds	\$80,000	Replacement of sanitary sewer lines due to structural deficiencies, bad / separated joints, and significant blockage due to root intrusion. Single contract for the following locations: Santom Dr from manhole SDBA to SDBB(Stow); Marhofer Dr from manhole SCZL to SCZK (Stow); Haskell Dr from manhole BD31 to BD31 (Bath); Olde 8 Rd from manhole MAXD to MAXE, manhole MAXE to MAXA (Northfield Center Township; Graham Rd frommanhole SCFA to SCEZ (Stow); Graham Rd form Manhole SDAW to SDAR; E Glenwood Rd from manhole SCWP to SCWO; Woodland Dr from manhole KAWX to KAWW.
WWTP Improvements				
Plant 10 & Plant 48 Emergency Generators	\$250,000	Sewer Funds	\$250,000	Installation of emergency generators due to changes in NPDES permit requirements. Majority of the work to be done by DSSS personnel.
Plant 25 Fishcreek Bar Screen/Filter Rep (eng)	\$250,000	OWDA	\$250,000	Replacement of the bar screens and tertiary filters. This equipment is at the end of its useful life and newer, more efficient technology is available.
Plant 25 Fishcreek Clarifier & Sludge (cons)	\$1,000,000	OWDA	\$1,000,000	Rehabilitating and recoating portions of the final clarifiers, upgrading to sludge PS#2, and resurfacing the roadways. The work also includes construction of an additional channel to interconnect the four final clarifiers.



2017 CAPITAL IMPROVEMENT BUDGET

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>FUNDING SOURCE</u>	<u>TOTAL PROJECTED COSTS</u>	<u>DESCRIPTION</u>
Plant 25 Fishcreek Clarifier & Sludge (eng)	\$30,000	Sewer Funds	\$30,000	Rehabilitating and recoating portions of the final clarifiers, upgrading to sludge PS#2, and resurfacing the roadways. The work also includes construction of an additional channel to interconnect the four final clarifiers.
Plant 25 Fishcreek PLC upgrades	\$65,000	Sewer Funds	\$65,000	Six PLCs in the SCADA network use DH+ for communication; the protocol is no longer supported. Will convert to ethernet & replace panelview HMIs.
Plant 29 Aurora Shores Abandonment (cons)	\$1,850,000	WPCLF	\$1,850,000	Demolition and abandonment of Plant 29 and construction of a pump station redirecting the flow into the Twinsburg WWTP. Tanks and equalization will be retained.
Plant 36 Upper Tusc Abandonment (eng)	\$250,000	WPCLF	\$250,000	Abandonment of 32 Rotating Biological Contactors (RBC) and a replacement of this process with the construction of a new secondary process.
Plant 36 Upper Tusc Sludge Pond Removal	\$400,000	OWDA	\$800,000	Removal of sludge and solid waste per the OEPA Director's findings and orders; work to be performed in house.
Total: Environmental Improvements	\$18,563,000		\$21,488,000	



2017-2022 PLAN



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Summary

<u>CATEGORY</u> AAAAAAAAAAAAAAAAAAAAAAAAA	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>
Computer Systems & Equipment	\$4,563,733	\$505,000	\$597,000	\$4,154,220	\$440,000	\$450,000	\$10,709,953
Economic Development	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$210,000
Environmental Improvements	\$18,563,000	\$22,494,000	\$20,877,000	\$20,739,000	\$25,656,187	\$26,200,000	\$134,529,187
Facility Improvements	\$2,234,731	\$9,722,620	\$6,535,000	\$4,505,000	\$255,000	\$255,000	\$23,507,351
Road & Bridge Improvements	\$8,890,201	\$14,084,759	\$7,876,500	\$11,447,400	\$10,842,500	\$4,025,000	\$57,166,360
Vehicles	\$1,305,240	\$659,500	\$606,000	\$696,000	\$493,000	\$598,000	\$4,357,740
TOTAL	\$35,591,905	\$47,500,879	\$36,526,500	\$41,576,620	\$37,721,687	\$31,563,000	\$230,480,591



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Sources and Uses

<u>FUNDING SOURCE</u>	<u>COMPUTER SYSTEMS AND EQUIPMENT</u>	<u>ENVIRONMENTAL IMPROVEMENTS</u>	<u>FACILITY IMPROVEMENTS</u>	<u>ROADS AND BRIDGES</u>	<u>ECONOMIC DEVELOPMENT</u>	<u>VEHICLES</u>	<u>TOTAL</u>
AMATS				\$3,149,474			\$3,149,474
CEAO				\$3,370,128			\$3,370,128
Computerization Funds	\$413,500						\$413,500
DJFS	\$70,500		\$150,000				\$220,500
Federal Funds				\$11,976,544			\$11,976,544
Federal Safety				\$4,196,842			\$4,196,842
Foreclosure Rotary						\$24,100	\$24,100
GF CIP	\$4,222,454		\$6,575,370	\$600,000	\$210,000	\$138,300	\$11,746,124
GO Debt			\$5,118,000				\$5,118,000
Insurance Retention						\$95,000	\$95,000
MVGT	\$1,313,500		\$675,000	\$32,208,023		\$1,825,000	\$36,021,523
ODOT				\$1,082,221			\$1,082,221
ODRC			\$435,981				\$435,981
OPWC				\$356,128			\$356,128
OWDA		\$16,930,000					\$16,930,000
Other Local	\$473,400		\$100,000	\$227,000			\$800,400
Permanent Improvements			\$1,015,000				\$1,015,000
Probation Fees	\$40,000					\$42,500	\$82,500
REA Funds	\$1,572,925					\$300,000	\$1,872,925
Rotary Fund	\$40,400					\$193,500	\$233,900
Sewer Funds	\$769,500	\$7,859,000	\$858,000			\$1,739,340	\$11,225,840
Special Projects	\$1,200,000		\$80,000				\$1,280,000
State of Ohio	\$593,774						\$593,774
WPCLF		\$109,740,187	\$8,500,000				\$118,240,187
TOTAL	\$10,709,953	\$134,529,187	\$23,507,351	\$57,166,360	\$210,000	\$4,357,740	\$230,480,591



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Engineer								
Boston (North) Station								
Facility Improvements	\$25,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$275,000	MVGT
South Street								
Facility Improvements	\$25,000	\$50,000	\$175,000	\$50,000	\$50,000	\$50,000	\$400,000	MVGT
Executive								
Department of Sanitary Sewer Services								
Plant 25 Fishcreek & Plant 36 Upper Tusc WIFI			\$100,000				\$100,000	Sewer Funds
Plant 25 Fishcreek Data Center Fire Suppress	\$18,000						\$18,000	Sewer Funds
Plant 25 and Plant 36 ARCFlash Evaluation	\$100,000						\$100,000	Sewer Funds
Plant 36 Upper Tusc Influent Building Imp	\$20,000						\$20,000	Sewer Funds
Plant 36 Upper Tusc Storage Building Imp			\$25,000				\$25,000	Sewer Funds
Plant 36 Upper Tusc Tertiary Bldg Roof	\$120,000						\$120,000	Sewer Funds
Vehicle Maintenance Garage (cons)			\$4,250,000	\$4,250,000			\$8,500,000	WPCLF
Vehicle Maintenance Garage (space study & eng)	\$125,000	\$350,000					\$475,000	Sewer Funds
General Government								
Animal Control Facility								
General Repairs and Maintenance	\$10,000	\$70,000	\$10,000	\$10,000	\$10,000	\$10,000	\$120,000	Permanent Improvements
Paving and EIFS Repairs		\$60,000					\$60,000	GF CIP



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Board of Elections								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
Parking Lot Upgrade	\$118,000						\$118,000	GO Debt
Community Based Corrections Facility								
Men's CBCF Repair	\$206,570						\$206,570	ODRC
Women's CBCF Repair	\$229,411						\$229,411	ODRC
Edwin Shaw Property								
General Maintenance & Upkeep	\$25,000						\$25,000	GF CIP
Jobs and Family Services								
General Repairs and Maintenance	\$150,000						\$150,000	DJFS
Medical Examiner								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
HVAC Control Upgrade		\$200,000					\$200,000	GF CIP
Ohio Building								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
Replace Simplex Panel		\$30,000					\$30,000	GF CIP
Safety Building								
Replace Courthouse Connector Roof	\$25,000						\$25,000	GF CIP
Summit Center								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
Summit County Parking Deck								
Expansion Joint Repair		\$150,000					\$150,000	GF CIP
General Repairs and Maintenance	\$35,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$85,000	Permanent Improvements
Recoat Deck on Levels 1 and 2		\$130,000					\$130,000	GF CIP



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Tallmadge Avenue Facility								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
Pave Parking Lot	\$100,000						\$100,000	Other Local
Veterans Service Bldg.								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
Judicial and Public Safety								
Consolidated Dispatch								
NextGen 911 Dispatch Center		\$5,000,000					\$5,000,000	GO Debt
Domestic Relations Court/Clerk of Courts								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
Juvenile Court and Detention Center								
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements
Safety Building								
Carpet 4th Floor	\$40,000						\$40,000	GF CIP
General Repairs and Maintenance	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$60,000	Permanent Improvements



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Facility Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Summit County Courthouse								
Annex Roof and Courthouse Shingle Replacement			\$180,000				\$180,000	GF CIP
Façade Cleaning and Repair	\$250,000						\$250,000	GF CIP
General Repairs and Maintenance	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$120,000	Permanent Improvements
HVAC Controls Upgrade		\$600,000					\$600,000	GF CIP
Interior Stair Repair			\$100,000				\$100,000	GF CIP
Jury Pool Renovation		\$275,000					\$275,000	GF CIP
Probate Renovation	\$70,000						\$70,000	GF CIP
	\$80,000						\$80,000	Special Projects
Upgrade Bathrooms in Basement	\$75,000						\$75,000	GF CIP
Summit County Jail								
General Repairs and Maintenance	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	Permanent Improvements
HVAC Improvements		\$1,000,000					\$1,000,000	GF CIP
Housing Unit Classrooms and Lobby Kiosk		\$200,000					\$200,000	GF CIP
Housing Unit Fencing	\$122,750						\$122,750	GF CIP
Jail Cameras		\$850,000					\$850,000	GF CIP
Jail Padded Cells		\$27,340					\$27,340	GF CIP
Pod Lighting Upgrade		\$120,000					\$120,000	GF CIP
Pod Table Replacement		\$175,380					\$175,380	GF CIP
Roof Replacement			\$1,500,000				\$1,500,000	GF CIP
Sanitary Sewer Grinder Pump	\$130,000						\$130,000	GF CIP
SecurPass		\$239,900					\$239,900	GF CIP
Total: Facility Improvements	\$2,234,731	\$9,722,620	\$6,535,000	\$4,505,000	\$255,000	\$255,000	\$23,507,351	



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Economic Development

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Executive								
Economic Development								
Canal Way Development & Trail Plan - Grant Prog	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$210,000	GF CIP
Total: Economic Development	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$210,000	



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Engineer								
Maintenance Department								
Heavy Equipment	\$175,000	\$150,000	\$250,000	\$350,000	\$140,000	\$225,000	\$1,290,000	MVGT
General Government								
Board of Elections								
Poll Books	\$104,784						\$104,784	GF CIP
	\$593,774						\$593,774	State of Ohio
Voting Equipment				\$3,428,220			\$3,428,220	GF CIP



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Information Technology								
Hardware & Software								
Appraisal Software Upgrade	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$500,000	GF CIP
	\$473,400						\$473,400	Other Local
	\$1,549,425						\$1,549,425	REA Funds
Disaster Recovery and Backup	\$100,000						\$100,000	GF CIP
Hardware GPS Handheld Devices	\$25,000			\$25,000		\$25,000	\$75,000	Sewer Funds
Hardware Modem Replace for PS Telemetry - Ph 2			\$32,000	\$36,000			\$68,000	Sewer Funds
Hardware Plant 25 & 36 Access Control/ Security	\$45,000	\$40,000					\$85,000	Sewer Funds
Hardware SCADA Upgrade Pump Stations, Ph 2	\$105,000						\$105,000	Sewer Funds
Software Asset Module of ServiceNow	\$50,000						\$50,000	Sewer Funds
Software CUBIC ebills and credit card payments	\$23,000						\$23,000	Sewer Funds
Software CheckPoint Threat Protection	\$1,500						\$1,500	Computerization Funds
	\$4,500						\$4,500	DJFS
	\$4,500						\$4,500	GF CIP
	\$1,500						\$1,500	MVGT
	\$1,500						\$1,500	REA Funds
	\$1,500						\$1,500	Sewer Funds
Software Cityworks PLL / Permitting Module	\$85,000						\$85,000	Sewer Funds
Software ORION Project Management	\$125,000						\$125,000	Sewer Funds
Software Office 365 Enterprise License	\$15,000	\$15,000	\$15,000	\$15,000			\$60,000	Sewer Funds
Software OnBase Document Management System	\$70,000						\$70,000	Sewer Funds
Software Spluk SIEM	\$10,000						\$10,000	Computerization Funds
	\$30,000						\$30,000	DJFS
	\$30,000						\$30,000	GF CIP
	\$10,000						\$10,000	MVGT
	\$10,000						\$10,000	REA Funds



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Computer Systems & Equipment

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Software Spluk SIEM	\$10,000						\$10,000	Sewer Funds
Software VEEAM Backup and Replication	\$12,000						\$12,000	Computerization Funds
	\$36,000						\$36,000	DJFS
	\$36,000						\$36,000	GF CIP
	\$12,000						\$12,000	MVGT
	\$12,000						\$12,000	REA Funds
	\$12,000						\$12,000	Sewer Funds
Judicial and Public Safety								
Clerk of Courts								
Clerk's Case Management System Module Expansion	\$200,000						\$200,000	Computerization Funds
Common Pleas Court-Adult Probation								
Computer Equipment Replacement	\$40,000						\$40,000	Probation Fees
Common Pleas Court-General Division								
Computer Equipment Replacement	\$150,000						\$150,000	Computerization Funds
Courtroom Technology	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,200,000	Special Projects
Server Replacement	\$40,000						\$40,000	Computerization Funds
Sheriff								
10 Vehicle Computers	\$40,400						\$40,400	Rotary Fund
Summit County Jail								
Sapphire System	\$18,950						\$18,950	GF CIP
Total: Computer Systems & Equipment	\$4,563,733	\$505,000	\$597,000	\$4,154,220	\$440,000	\$450,000	\$10,709,953	



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Vehicles

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Engineer								
Maintenance Department								
Dump Plows	\$305,000	\$230,000	\$230,000	\$230,000	\$230,000	\$230,000	\$1,455,000	MVGT
Pick-up Trucks	\$86,000	\$56,000	\$56,000	\$56,000	\$58,000	\$58,000	\$370,000	MVGT
Executive								
Sanitary Sewer Services								
2014 FREIGHTLINER Vac Con (849) Cctv Truck				\$60,000	\$60,000		\$60,000	Sewer Funds
Ford 15 Ton Dump Truck		\$200,000					\$200,000	Sewer Funds
Ford 150 Pu	\$8,690		\$60,000		\$75,000		\$143,690	Sewer Funds
Ford Back Hoe	\$90,000						\$90,000	Sewer Funds
Ford Cut Away Fan (Cctv)		\$50,000					\$50,000	Sewer Funds
Ford F550 / 1 Ton Dump	\$15,384		\$60,000				\$75,384	Sewer Funds
Ford F550 Utility Truck		\$42,000					\$42,000	Sewer Funds
Ford Taurus	\$4,345						\$4,345	Sewer Funds
Ford Van	\$5,885						\$5,885	Sewer Funds
Gmc 1500 Pu	\$13,036						\$13,036	Sewer Funds
International Tank Truck			\$200,000	\$200,000			\$400,000	Sewer Funds
Kubota Excavator (Mini)	\$65,000						\$65,000	Sewer Funds
Trailer, Cons				\$50,000			\$50,000	Sewer Funds
Trailer, Dump				\$100,000			\$100,000	Sewer Funds
Trailer, Equipment						\$10,000	\$10,000	Sewer Funds
Trailers (2), Sludge Hauling						\$300,000	\$300,000	Sewer Funds
Vactor Sewer Cleaning Truck					\$70,000		\$70,000	Sewer Funds



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Vehicles

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
General Government								
Executive-Physical Plant Dept. Two F150 4X4 Work Trucks		\$60,000					\$60,000	GF CIP
Fiscal - Appraisal Department Passenger Vehicles	\$300,000						\$300,000	REA Funds
Judicial and Public Safety								
Common Pleas Court-Adult Probation Passenger Vehicles	\$21,000	\$21,500					\$42,500	Probation Fees
Sheriff								
1 Marked Civil Vehicle	\$24,100						\$24,100	Foreclosure Rotary
3 Prisoner Transport Vans	\$78,300						\$78,300	GF CIP
5 Unmarked Vehicles	\$95,000						\$95,000	Insurance Retention
7 Community Rotary Patrol Vehicles	\$193,500						\$193,500	Rotary Fund
Total: Vehicles	\$1,305,240	\$659,500	\$606,000	\$696,000	\$493,000	\$598,000	\$4,357,740	



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Bridge Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Engineer								
Bridge Engineering and Construction Projects								
Bath Road Bridge				\$780,000			\$780,000	CEAO
		\$230,000		\$195,000			\$425,000	MVGT
Brandywine Rd over Brandywine Creek		\$80,000	\$400,000				\$480,000	MVGT
Bridge Repair/Rehabilitations	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$750,000	MVGT
Bridge Waterproofing	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$150,000	MVGT
Greenwich Road Bridge	\$160,000						\$160,000	MVGT
High Level Bridge	\$400,000	\$1,015,000					\$1,415,000	MVGT
Home Avenue Bridge		\$1,187,200					\$1,187,200	Federal Funds
	\$100,000	\$296,800					\$396,800	MVGT
N. Main over Howard St.	\$100,000				\$175,000		\$275,000	MVGT
Riverview Rd Bridge - Cuy. Falls			\$20,000	\$1,031,200			\$1,051,200	CEAO
	\$300,000		\$5,000	\$257,000			\$562,000	MVGT
Riverview Rd over Yellow Creek		\$50,000	\$150,000	\$700,000			\$900,000	MVGT
Steels Corners Road Bridge					\$100,000		\$100,000	MVGT
Vanderhoof Road Bridge	\$705,944						\$705,944	Federal Funds
	\$176,486						\$176,486	MVGT
Wright Road Bridge				\$8,000	\$613,600		\$621,600	CEAO
		\$175,000		\$2,000	\$153,400		\$330,400	MVGT
Total: Bridge Improvements	\$2,092,430	\$3,184,000	\$725,000	\$3,123,200	\$1,192,000	\$150,000	\$10,466,630	



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Road & Ditch Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Engineer								
Highway Engineering Projects								
CEAO HSIP Safety Studies	\$27,328						\$27,328	CEAO
	\$3,037						\$3,037	MVGT
Landslide Mitigation	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	MVGT
Rail Road Crossings					\$200,000		\$200,000	MVGT
Traffic Signal Improvements	\$50,000	\$65,000					\$115,000	MVGT
Pavement, Culvert & Ditch Maintenance								
Culvert Replacement Program	\$65,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$565,000	MVGT
Regional Stormwater	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$600,000	GF CIP
Sewer Cleaning Program	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	MVGT



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Road & Ditch Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Roadway Construction Projects								
Akron Cleveland Road				\$743,600			\$743,600	Federal Funds
			\$40,000	\$185,000			\$225,000	MVGT
Annual Roadway Maintenance	\$300,000	\$250,000	\$300,000	\$250,000	\$250,000	\$250,000	\$1,600,000	MVGT
Annual Roadway Resurfacing	\$2,500,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$17,500,000	MVGT
	\$356,128						\$356,128	OPWC
Boston Mills Road	\$558,800						\$558,800	Federal Funds
	\$139,700						\$139,700	MVGT
Canton Road Improvements	\$915,545	\$2,233,929					\$3,149,474	AMATS
	\$1,220,012	\$2,976,830					\$4,196,842	Federal Safety
		\$900,000					\$900,000	MVGT
	\$182,221	\$900,000					\$1,082,221	ODOT
Canton Road Resurfacing			\$800,000				\$800,000	Federal Funds
			\$200,000				\$200,000	MVGT
Canton Road Sidewalks	\$80,000		\$224,000				\$304,000	Federal Funds
	\$75,000		\$56,000				\$131,000	MVGT
Cleveland - Massillon Road Phase 1				\$800,000			\$800,000	Federal Funds
		\$10,000	\$50,000	\$350,100			\$410,100	MVGT
Cleveland - Massillon Road Phase 2				\$800,000			\$800,000	Federal Funds
			\$70,000	\$246,500			\$316,500	MVGT
Community Partnerships	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$300,000	MVGT
Countywide Guardrail Project					\$300,000		\$300,000	CEAO
Countywide Pavement Marking			\$150,000				\$150,000	CEAO
Intersection Improvements	\$25,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$650,000	MVGT
Killian Rd Corridor					\$440,000		\$440,000	CEAO
					\$50,000		\$50,000	MVGT
Krumroy Road					\$769,600		\$769,600	Federal Funds
					\$202,400		\$202,400	MVGT



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Road & Ditch Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Medina Line Road Phase 1					\$743,600		\$743,600	Federal Funds
Medina Line Road Phase 2			\$743,600	\$40,000	\$185,900		\$225,900	MVGT
Medina Line Road Phase 3		\$40,000	\$185,900				\$743,600	Federal Funds
Olde Eight Phase 1			\$580,000				\$225,900	MVGT
Olde Eight Phase 2			\$227,000				\$580,000	Federal Funds
Portage Lakes Drive					\$681,200		\$681,200	Federal Funds
Portage Lakes Drive Needs Study				\$50,000	\$180,300		\$230,300	MVGT
Ravenna Road Phase 1				\$50,000	\$997,600		\$997,600	Federal Funds
Ravenna Road Phase 2					\$259,400		\$309,400	MVGT
Valley View Road Phase 1					\$161,200		\$161,200	Federal Funds
Valley View Road Phase 2					\$60,300		\$60,300	MVGT
						\$100,000	\$100,000	MVGT
				\$565,000			\$565,000	Federal Funds
				\$214,000			\$214,000	MVGT
				\$336,000			\$336,000	Federal Funds
				\$119,000			\$119,000	MVGT
					\$234,000		\$234,000	Federal Funds
				\$10,000	\$68,500		\$78,500	MVGT
					\$265,200		\$265,200	Federal Funds
				\$40,000	\$76,300		\$116,300	MVGT
Total: Road & Ditch Improvements	\$6,797,771	\$10,900,759	\$7,151,500	\$8,324,200	\$9,650,500	\$3,875,000	\$46,699,730	



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
DSSS								
Pump Station Improvements								
Chaffee Road Pump Station (new ps cons)						\$750,000	\$750,000	WPCLF
Chaffee Road Pump Station (new ps eng)					\$150,000		\$150,000	Sewer Funds
Copley Road Pump Station (new pump station cons)			\$500,000				\$500,000	WPCLF
Copley Road Pump Station (new pump station eng)		\$125,000					\$125,000	Sewer Funds
GP 250 Upgrade (cons)			\$400,000				\$400,000	OWDA
GP 250 Upgrade (eng)		\$60,000					\$60,000	Sewer Funds
PS 1 Roseland Estates Abandonment (eng)			\$65,000	\$250,000			\$315,000	Sewer Funds
PS 11 Upgrade and Force Main Realignment (cons)	\$460,000						\$460,000	OWDA
PS 122 Improvements (cons)	\$60,000						\$60,000	Sewer Funds
PS 123 Improvements (eng and cons)	\$150,000						\$150,000	Sewer Funds
PS 17 Rehabilitation (cons)			\$350,000				\$350,000	OWDA
PS 17 Rehabilitation (eng)		\$60,000					\$60,000	Sewer Funds
PS 19 Replacement (cons)	\$1,840,000						\$1,840,000	WPCLF
PS 23 Replacement (cons)				\$800,000			\$800,000	WPCLF
PS 23 Replacement (eng)			\$100,000				\$100,000	Sewer Funds
PS 29 Replacement (cons)		\$375,000					\$375,000	OWDA
PS 29 Replacement (eng)	\$65,000						\$65,000	Sewer Funds
PS 3 Upgrade and Force Main Rehab/Realmt (cons)	\$455,000						\$455,000	OWDA
PS 30 Improvements (cons)			\$250,000				\$250,000	Sewer Funds
PS 30 Improvements (eng)		\$50,000					\$50,000	Sewer Funds
PS 36 Replacement (cons)		\$450,000					\$450,000	OWDA
PS 36 Replacement (eng)	\$100,000						\$100,000	OWDA
PS 4 Rehabilitant, Roof Replacement	\$15,000						\$15,000	Sewer Funds
PS 46 Rehabilitation (cons)				\$200,000			\$200,000	Sewer Funds



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
PS 6 Pump Replace, Electrical, Flow Meter, Roof	\$725,000						\$725,000	OWDA
PS 62 & PS 82 Improvements (cons)			\$125,000				\$125,000	Sewer Funds
PS 62 & PS 82 Improvements (eng)		\$40,000					\$40,000	Sewer Funds
PS 63 Improvements (cons)			\$250,000				\$250,000	Sewer Funds
PS 63 Improvements (eng)		\$70,000					\$70,000	Sewer Funds
PS 67 Improvements (cons)		\$30,000					\$30,000	Sewer Funds
PS 68 Rehabilitation, Roof Replacement	\$15,000						\$15,000	Sewer Funds
PS 77 Improvements, (cons)		\$80,000					\$80,000	Sewer Funds
PS 78 Force Main Replacement (cons)		\$250,000					\$250,000	OWDA
PS 78 Force Main Replacement (eng)	\$100,000						\$100,000	OWDA
PS 81 Force Main Replace & Realignment (cons)		\$250,000					\$250,000	Sewer Funds
PS 81 Force Main Replace & Realignment (eng)	\$50,000						\$50,000	Sewer Funds
PS 90 Force Main Realignment (cons)						\$3,000,000	\$3,000,000	WPCLF
PS 90 Force Main Realignment Redirection (eng)					\$360,000		\$360,000	WPCLF
PS 95 Force Main Realignment (cons)						\$1,800,000	\$1,800,000	WPCLF
PS 95 Force Main Realignment / Redirection (eng)					\$216,000		\$216,000	WPCLF
PS123 CVI Force Main Evaluation / eng Report	\$200,000						\$200,000	Sewer Funds



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
Sewer System Improvements								
Baumgarder St Collection System Repairs (cons)		\$400,000					\$400,000	Sewer Funds
Baumgarder St Collection System Repairs (eng)	\$80,000						\$80,000	Sewer Funds
Broadledge Sewer Repair/Replacement (cons)		\$200,000					\$200,000	Sewer Funds
Broadledge Sewer Repair/Replacement (eng)	\$40,000						\$40,000	Sewer Funds
Cleveland Ave (SR 532) Trunk Sewer (cons)		\$500,000					\$500,000	OWDA
Cleveland Ave (SR 532) Trunk Sewer (eng)	\$100,000						\$100,000	OWDA
Clinton Sewer Sys Capacity - Canal Fulton WWTP		\$133,000					\$133,000	Sewer Funds
Clinton Sewer System 1 & 1A & 1B (cons)			\$3,400,000	\$3,400,000			\$6,800,000	WPCLF
Cresswood erosion control	\$50,000						\$50,000	Sewer Funds
Fairland Road Collection System (cons)				\$1,850,000			\$1,850,000	WPCLF
Fairland Road Collection System (eng)			\$150,000				\$150,000	WPCLF
Hillstock Trunk Sewer Rehab/Replacement (cons)		\$200,000	\$200,000	\$200,000	\$200,000		\$800,000	OWDA
Hillstock Trunk Sewer Rehab/Replacement (eng)	\$150,000						\$150,000	Sewer Funds
Hines Hill Trunk Sewer Replacement (cons)		\$2,000,000					\$2,000,000	WPCLF
Hines Hill Trunk Sewer Replacement (eng)	\$200,000						\$200,000	OWDA
Hudson SSO Elim- OEPA Cons Order, Area J (cons)	\$2,000,000						\$2,000,000	OWDA
Hudson SSO Elim- OEPA Cons Order, Area J (eng)	\$200,000						\$200,000	OWDA
Hudson SSO Elim- OEPA Cons Order, Area L (cons)		\$2,500,000					\$2,500,000	OWDA
Hudson SSO Elim- OEPA Cons Order, Area L (eng)	\$250,000						\$250,000	OWDA
Indian Creek - Exposed Sewers Repair (cons)	\$500,000						\$500,000	OWDA
Indian Hills Sewer System Rehab (cons)			\$500,000				\$500,000	WPCLF
Indian Hills Sewer System Rehab (eng)		\$95,000					\$95,000	WPCLF
Inverness Trunk Ph 1, downstream of Meadows Dam			\$575,000				\$575,000	WPCLF
Inverness Trunk Ph 2, Wyoga Lake to Railroad		\$425,000					\$425,000	OWDA
Linwood Rd Collection System (eng) Eval I&I		\$100,000					\$100,000	Sewer Funds
Little Cuyahoga Master Meter (land acqu & cons)	\$35,000	\$75,000					\$110,000	Sewer Funds
Little Cuyahoga Rehab/Replacement (cons)			\$500,000		\$500,000	\$500,000	\$1,500,000	WPCLF



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Environmental Improvements

DESCRIPTION	2017	2018	2019	2020	2021	2022	TOTAL 2017-2022 PLAN	FUNDING SOURCE
Little Cuyahoga Rehab/Replacement (eng)		\$200,000					\$200,000	WPCLF
Manhole Rehabilitation Program (cons)	\$100,000	\$100,000	\$100,000	\$150,000	\$150,000	\$200,000	\$800,000	Sewer Funds
Middleton Rd Sewer Line Replacement (cons)	\$1,700,000						\$1,700,000	OWDA
Mogadore Sewer System Rehabilitation (cons)	\$100,000	\$100,000	\$100,000	\$250,000	\$500,000	\$500,000	\$1,550,000	Sewer Funds
Mudbrook Trunk Bar Screen Landslide Stab (cons)	\$700,000						\$700,000	OWDA
Mudbrook Trunk Cleaning	\$150,000		\$150,000		\$150,000		\$450,000	Sewer Funds
Mudbrook Trunk Collection System I&I Elim		\$400,000	\$500,000	\$500,000	\$1,000,000	\$1,000,000	\$3,400,000	WPCLF
New Franklin 10 Upper Deck PS & Coll Sys (cons)					\$2,600,000		\$2,600,000	WPCLF
New Franklin 10 Upper Deck PS & Coll Sys (eng)				\$312,000			\$312,000	WPCLF
New Franklin 11 Kertesz Dr PS & Coll Sys (eng)					\$176,187		\$176,187	WPCLF
New Franklin 12 Yager Rd PS & Coll Sys (cons)						\$5,200,000	\$5,200,000	WPCLF
New Franklin 12 Yager Rd PS & Coll Sys (eng)					\$865,000		\$865,000	WPCLF
New Franklin 13 Pancake Creek Coll Sys (cons)						\$5,350,000	\$5,350,000	WPCLF
New Franklin 13 Pancake Creek Coll Sys (eng)					\$535,000		\$535,000	WPCLF
New Franklin 2A Manchester Rd , South (cons)		\$1,100,000					\$1,100,000	WPCLF
New Franklin 2A Manchester Rd , South (eng)	\$165,000						\$165,000	WPCLF
New Franklin 2B Manchester Rd Sewer (cons)		\$1,100,000					\$1,100,000	WPCLF
New Franklin 2B Manchester Rd Sewer (eng)	\$68,000						\$68,000	WPCLF
New Franklin 3 Bali Rd Vacuum Station (cons)			\$2,800,000				\$2,800,000	WPCLF
New Franklin 3 Bali Rd Vacuum Station (eng)	\$420,000						\$420,000	WPCLF
New Franklin 4 State Park Dr Vacuum Sta (cons)				\$3,600,000			\$3,600,000	WPCLF
New Franklin 4 State Park Dr Vacuum Sta (eng)			\$432,000				\$432,000	WPCLF
New Franklin 5 Renninger Rd Trunk (cons)			\$2,500,000				\$2,500,000	WPCLF
New Franklin 5 Renninger Rd Trunk (eng))	\$375,000						\$375,000	WPCLF
New Franklin 6 Manchester Rd PS & Sewer (cons)				\$6,652,000			\$6,652,000	WPCLF
New Franklin 6 Manchester Rd PS & Sewer (eng)			\$800,000				\$800,000	WPCLF
New Franklin 7A Vanderhoof PS & Coll Sys (cons)		\$3,200,000					\$3,200,000	WPCLF
New Franklin 7A Vanderhoof PS & Coll Sys (eng)	\$480,000						\$480,000	WPCLF



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
New Franklin 7B W Turkeyfoot Rd Coll Sys (cons)					\$2,000,000		\$2,000,000	WPCLF
New Franklin 7B W Turkeyfoot Rd Coll Sys (eng)				\$300,000			\$300,000	WPCLF
New Franklin 8 W Nimisila PS & Coll Sys (cons)					\$4,000,000		\$4,000,000	WPCLF
New Franklin 8 W Nimisila PS & Coll Sys (eng)				\$750,000			\$750,000	WPCLF
New Franklin 9 Sweigart PS & Coll Sys, (cons)			\$1,760,000				\$1,760,000	WPCLF
New Franklin 9 Sweigart PS & Coll Sys, (eng)		\$176,000					\$176,000	WPCLF
New Franklin Cons Manager		\$1,000,000					\$1,000,000	WPCLF
New Franklin Contract 1 Zelray Park PS (cons)		\$2,800,000					\$2,800,000	WPCLF
New Franklin Contract 1 Zelray Park PS (eng)	\$340,000						\$340,000	WPCLF
New Franklin Contract 13 Pancake Creek PS (cons)					\$2,000,000		\$2,000,000	WPCLF
New Franklin Contract 13 Pancake Creek PS (eng)				\$225,000			\$225,000	WPCLF
Old Home Ditch Repair of Exposed Sewers (cons)	\$500,000						\$500,000	OWDA
PS 13 Coll Sys I&I Elim, private side (cons)				\$200,000			\$200,000	Sewer Funds
PS 19 Collection System I&I Evaluatuiou / Study	\$50,000						\$50,000	Sewer Funds
PS 36 Coll Sys I&I Elim, private side (cons)					\$156,000		\$156,000	Sewer Funds
Plant 25 Fishcreek Cuy River Siphon Insp			\$100,000				\$100,000	Sewer Funds
Rhoadsdale Avenue Sewer Line Rehab (cons)			\$25,000				\$25,000	Sewer Funds
Rhoadsdale Avenue Sewer Line Rehab (eng)		\$85,000					\$85,000	Sewer Funds
Roseland Estates, I&I Elim, private side (cons)					\$1,048,000		\$1,048,000	WPCLF
Seasons -Wyoga Lake-Akron Cleveland Roads (cons)						\$1,250,000	\$1,250,000	WPCLF
Stow Gorge Replacement Ph1 (cons)	\$800,000						\$800,000	WPCLF
Stow Gorge Replacement Ph2 (cons)			\$1,000,000				\$1,000,000	WPCLF
Stow Gorge Replacement Ph2 (eng)		\$125,000					\$125,000	WPCLF
Various Sanitary Sewer Repairs, Q455 (cons)	\$600,000						\$600,000	OWDA
Various Sanitary Sewer Repairs, Q455 (eng)	\$80,000						\$80,000	Sewer Funds
Warner Road Sewer Lining (cons)			\$45,000				\$45,000	Sewer Funds



2017 - 2022 CAPITAL IMPROVEMENT PROGRAM

Environmental Improvements

<u>DESCRIPTION</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>TOTAL 2017-2022 PLAN</u>	<u>FUNDING SOURCE</u>
WWTP Improvements								
Plant 10 & Plant 48 Emergency Generators	\$250,000						\$250,000	Sewer Funds
Plant 25 Fishcreek Bar Screen/Filter Rep (con)			\$2,000,000				\$2,000,000	WPCLF
Plant 25 Fishcreek Bar Screen/Filter Rep (eng)	\$250,000						\$250,000	OWDA
Plant 25 Fishcreek Clarifier & Sludge (cons)	\$1,000,000						\$1,000,000	OWDA
Plant 25 Fishcreek Clarifier & Sludge (eng)	\$30,000						\$30,000	Sewer Funds
Plant 25 Fishcreek PLC upgrades	\$65,000						\$65,000	Sewer Funds
Plant 25 Fishcreek RBC Replace/Oxidation (cons)					\$2,400,000		\$2,400,000	WPCLF
Plant 25 Fishcreek RBC Replace/Oxidation (eng)				\$300,000			\$300,000	WPCLF
Plant 29 Aurora Shores Abandonment (cons)	\$1,850,000						\$1,850,000	WPCLF
Plant 32 I&I Elim, private side (cons)		\$240,000					\$240,000	OWDA
Plant 36 Upper Tusc Abandonment (cons)		\$3,000,000					\$3,000,000	WPCLF
Plant 36 Upper Tusc Abandonment (eng)	\$250,000						\$250,000	WPCLF
Plant 36 Upper Tusc Sludge Pond Removal	\$400,000	\$400,000					\$800,000	OWDA
Plant 49 Macedonia WWTP (cons)					\$6,650,000	\$6,650,000	\$13,300,000	WPCLF
Plant 49 Macedonia WWTP (planning, eng)			\$800,000	\$800,000			\$1,600,000	WPCLF
Plant 49 Macedonia WWTP Anti-Deg Mitigation			\$400,000				\$400,000	WPCLF
Total: Environmental Improvements	\$18,563,000	\$22,494,000	\$20,877,000	\$20,739,000	\$25,656,187	\$26,200,000	\$134,529,187	