

CITY OF WARREN, OHIO
ENGINEERING, PLANNING & BUILDING

2022

ANNUAL REPORT





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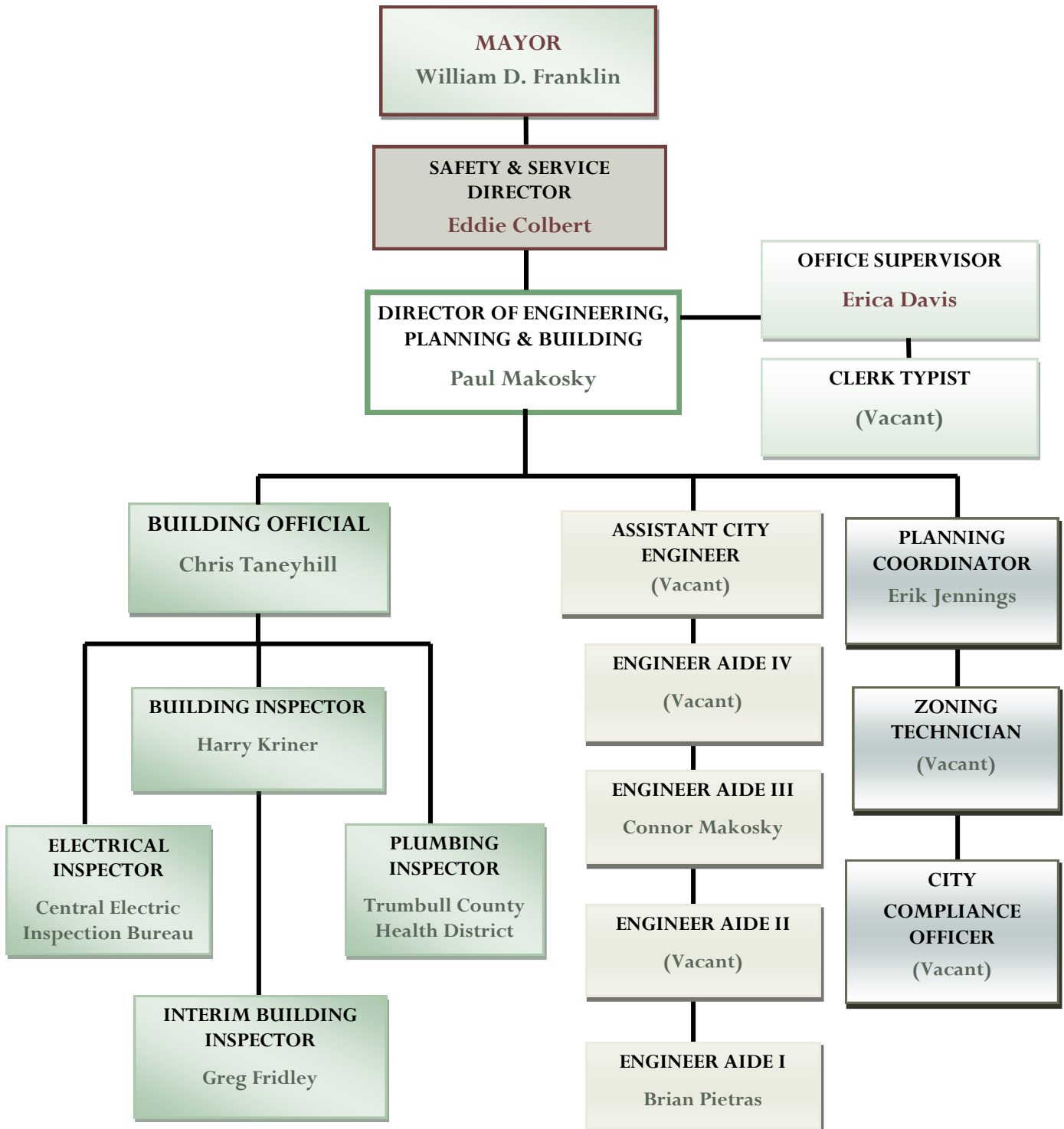
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ORGANIZATIONAL CHART



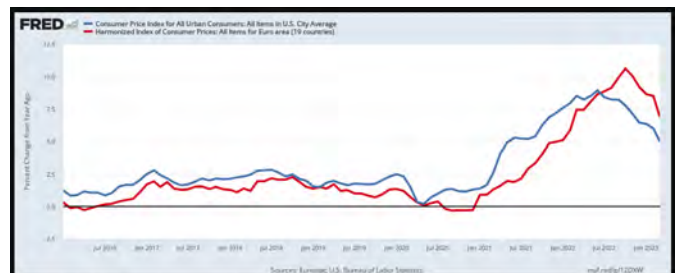
CONSTRUCTION INFLATION

Inflation in the construction industry has increased significantly from the beginning of 2021 through 2022. The key drivers in inflation were:

- ◆ Pandemic related economic impacts
- ◆ Supply chain disruptions
- ◆ Oil and diesel fuel prices
- ◆ Steel and material cost increases
- ◆ Russian invasion of Ukraine
- ◆ Fiscal and monetary stimuli

Numerous local projects were effected by the increased construction costs.

Construction costs increased by approximately 20% from the beginning of 2021 through 2022.



US Inflation: January 2016 through March 2023

New Education / Experience Requirements for Engineering Aide Positions

Engineering Aide I

High school graduate preferably supplemented by college level course work in civil engineering

Engineering Aide II

Associate’s degree in civil engineering technology, surveying, or construction engineering

Engineering Aide III

Bachelor’s degree in civil engineering, surveying, or construction engineering

Engineering Aide IV

Bachelor’s degree in civil engineering, surveying, or construction engineering. Must pass Fundamentals of Engineering (FE) exam.

ARP FUNDS

The American Rescue Plan Act is an economic stimulus bill passed by the federal government to assist the nation’s economic recovery from the COVID-19 pandemic. State and local governments throughout the country received ARP funds to meet budget shortfalls.

The City of Warren received \$28 million in ARP funds. Public comments were received to generate a community oriented strategy for the use of the funds. The city’s plan will include:

- ◆ Capital Improvements
- ◆ Park Upgrades
- ◆ Community Services
- ◆ Facility Improvements
- ◆ Economic Development

Each member of council was allocated \$500,000 to use at their discretion to address specific concerns in the individual wards. All projects will need to be approved by council and must meet the established ARP guidelines.

VEHICLES REPORT

2023 CHEVROLET MALIBU (Mineral Grey / Plate 579ZPZ)

This vehicle is used by the Building Inspector for transportation to and from various meetings and inspections. This vehicle is in excellent condition.

2023 CHEVROLET MALIBU (Mosaic Black / Plate 578ZPZ)

This vehicle is used by the Zoning Coordinator for transportation to and from various meetings and inspections. This vehicle is in excellent condition.

2021 CHEVROLET MALIBU (Silver Ice / Plate 791ZKT)

This vehicle is used by the Building Official for transportation to and from various meetings and inspections. This vehicle is in excellent condition.

2006 CHEVROLET IMPALA (Amber Bronze / Plate 489YVD)

This vehicle is assigned to the Engineering Division for transportation to and from various projects and inspections. This vehicle is in fair condition.

2006 FORD E350 (White / Plate 060ZNW)

This vehicle is assigned to the Engineering Division for transportation to and from various projects and inspections. This vehicle is in fair condition.

2007 CHRYSLER ASPEN (Black / Plate 215ZPY)

This vehicle is assigned to the Building Division for transportation to and from various projects and inspections. This vehicle is in fair condition.

2000 CHEVROLET PICKUP (Blue / Plate 266YXJ)

This vehicle is assigned to the Engineering Division. This vehicle is in fair condition.

DEPARTMENTAL COMPUTER SYSTEM

The Engineering, Planning & Building Department computer system consists of a network server, nine PC workstations, laptops, and six tablets for accessing permits and other information useful to the inspectors who are in the field.

Two of the workstations are equipped with Computer Aided Drafting (CAD) software and ArcMap GIS. These work stations are used by the Engineering Division.

Four workstations and six tablets are equipped with a permit program called iWorks. These computers are used by the office manager, the planning coordinator, the engineering division and the building division.

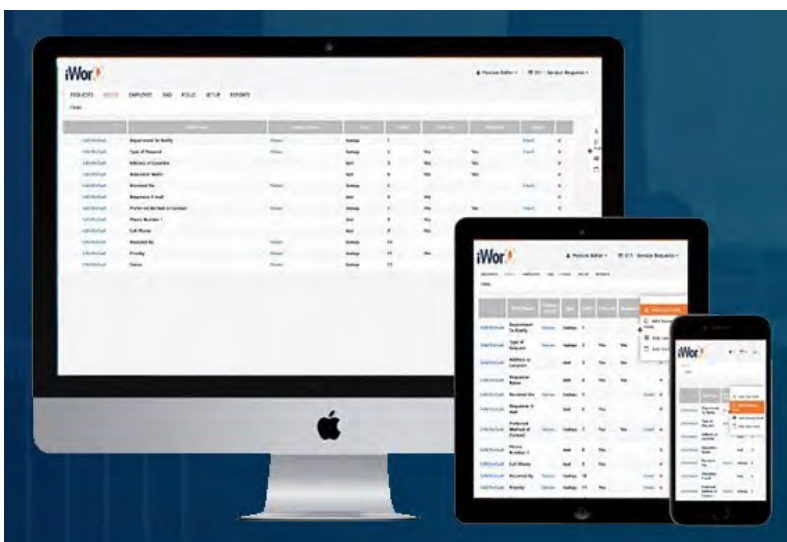
All PC workstations in the Engineering, Planning & Building Department are programmed for word processing and spreadsheet work.

The laptops are programed to link back to the workstations in the office for access to all existing documents.

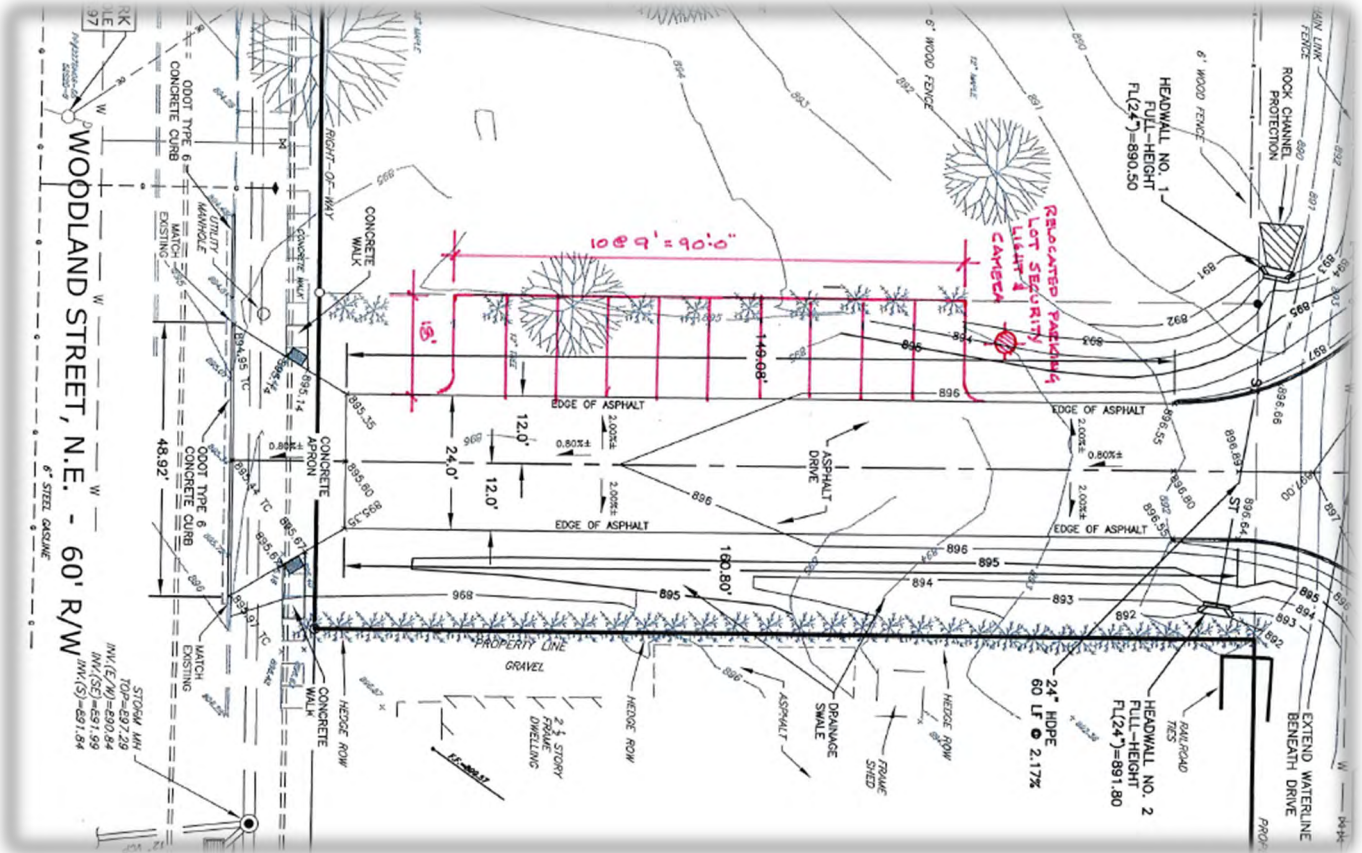
iWORQ PERMIT PROGRAM

The Engineering, Planning and Building Department began using the iWorQ Permit Program in 2021. Contractor registration, permits, and code enforcement will be managed through the program.

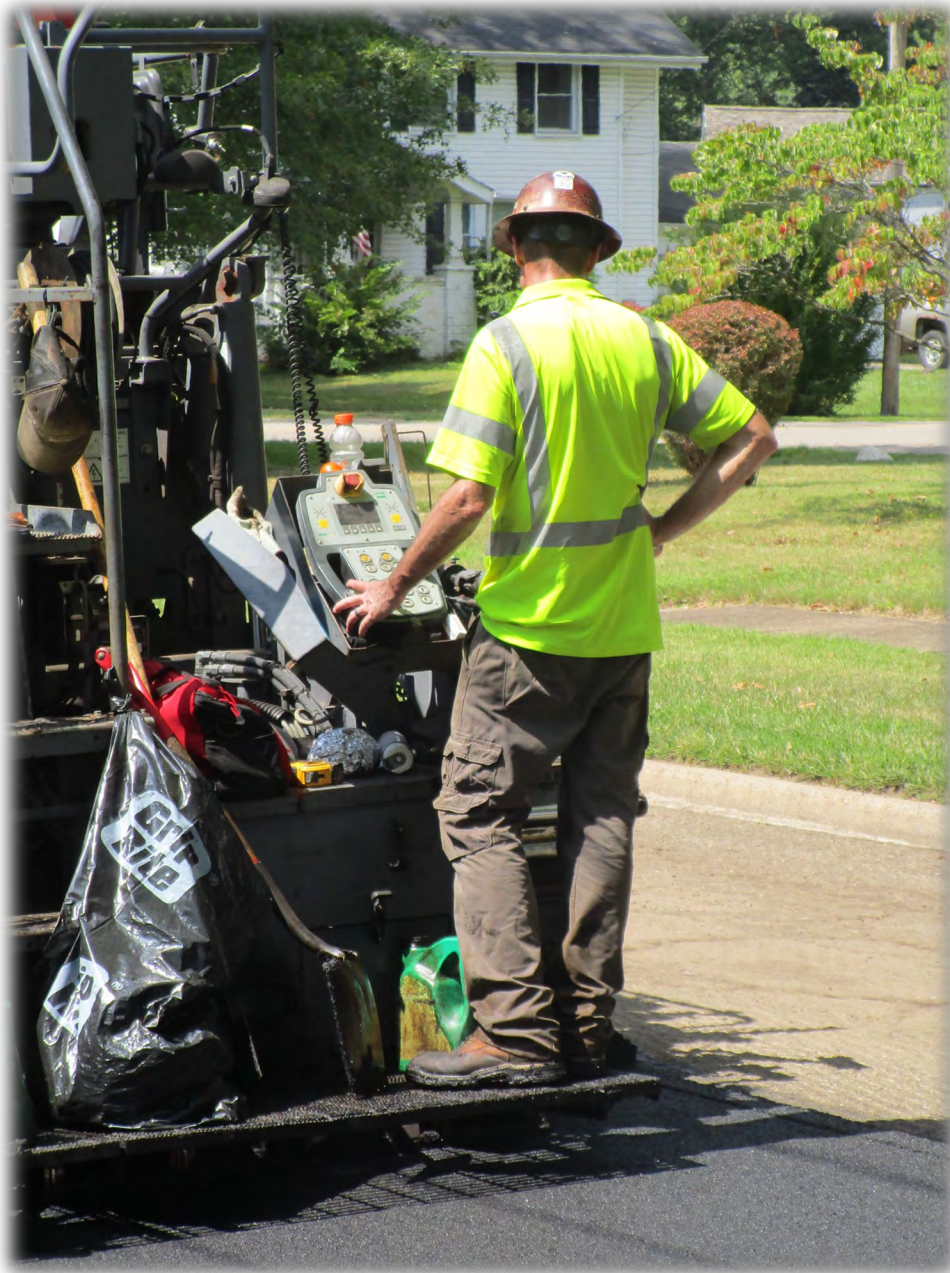
The iWorq software integrates online permit applications with credit or debit card payments for contractors and offers inspectors remote viewing of permits and tracking of inspections. The program provides cloud based software that connects to any device with an internet connection. The iWorQ Program replaced the ICES Permit Program that has been utilized by the city since 2000.



The EP&B Department is reviewing options to encourage online payment of permits and registrations by credit or debit card through the iWorQ Permit Program.



**CITY OF WARREN, OHIO
ENGINEERING, PLANNING & BUILDING
ENGINEERING DIVISION**



DAILY ACTIVITIES

The primary objective of the Engineering Division is to assist the administration and council in the development of a capital improvement plan. The division secures grant funds to complete projects and develops plans, specifications, and estimates in accordance with the capital plan. Construction oversight is provided on work that takes place in the city right of way.

The engineering division makes general assessments of the roads and other city infrastructure on an annual basis. The information guides the road resurfacing and maintenance programs that are completed throughout the year and into a five year planning period. The division provides resources for responding to the city's infrastructure needs and makes an ongoing effort to improve the efficiency of city services.

The engineering division has many daily duties some of which are outlined below:

- ◆ Utility location services
- ◆ Contractor registration and permitting
- ◆ Contractor oversight for work completed in city right of way
- ◆ Furnishing of plans and information as requested by contractors and engineers
- ◆ Plan review for public and private projects involving city utilities
- ◆ Compliance monitoring for city ordinances
- ◆ Responding to requests from city residents for property locations, deeds, drainage, and other matters of concern
- ◆ Coordination of road closing requests and special hauls
- ◆ Inspection of railroad crossings
- ◆ Updating records and drawings of sanitary and storm sewers
- ◆ Coordination of clean water violation notices
- ◆ Oversight of traffic signal, street sweeping, and other maintenance agreements
- ◆ Preparation of the city street directory
- ◆ Administration of various projects from conception to completion
- ◆ Preparation of departmental reports, studies, maps, and other items of interest for the administration, council, and the public

The engineering division believes that good roads are an essential part of the services that the community expects and deserves. The division makes great efforts to provide the administration and council with the information and resources needed to implement a capital improvement plan.

Our daily activities are undertaken with the perspective of providing quality services that are responsive to the needs of the residents.

DAILY ACTIVITIES



2022 RIGHT OF WAY PERMITS

BORING	5
CURB CUT	0
DRIVEWAY APPROACH	12
SIDEWALK	2
STORM CONNECTION	4
UTILITY COMPANY PERMIT	11
SANITARY CONNECTIONS	0
SANITARY LATERAL REPAIR	7
TOTAL PERMITS ISSUED	41

FEEES COLLECTED

TOTAL FEES COLLECTED	\$ 5,050
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DAILY ACTIVITIES

Dominion East Ohio Gas Projects

Dominion Energy Ohio has started a series of projects in the City of Warren to replace bare steel pipeline with corrosion resistant coated steel or plastic line. The projects are part of Dominion East Ohio's overall Pipeline Infrastructure Replacement (PIR) program launched in mid 2008. The \$4 billion, 25 year, PIR program will involve the eventual replacement of more than 5,500 miles of the company's 22,000 mile pipeline system.

The following replacement projects were completed by Dominion in the City of Warren in 2022. The project plans were approved and permitted by the Engineering Division.

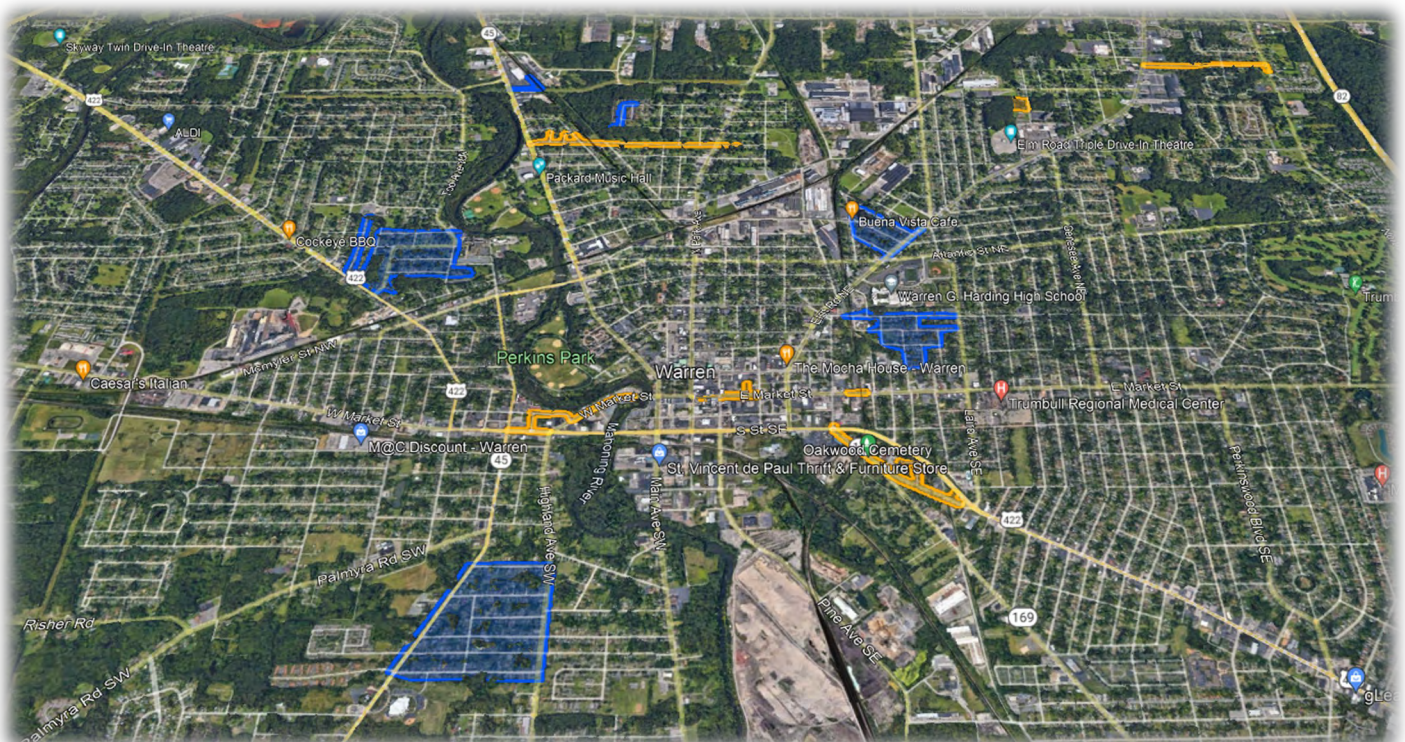
- ◆ 2021 Norwood Northfield; 8,388 Ft., 79 Services.
- ◆ 2022 Griswold Fremont; 10,561 Ft., 120 Services
- ◆ 2022 Highland Fourth St; 273 Ft., 0 Services

Dominion Energy Ohio replaced / relocated 341 gas meters for residential properties on Woodbine, Willard, Bonnie Brae, Fairmont, and Kenilworth. The work was started in the fall of 2022 and will extend into the 2023 calendar year.

Dominion East Ohio Gas Projects 2023/2024

Dominion Energy Ohio is planning to complete the following projects in the City of Warren from 2023 through 2024.

- ◆ 2023 E Market St; 1722 Ft., 20 Services
- ◆ 2023 E Market Phase 2; 150 Ft., 0 Services
- ◆ 2023 Laird Ave; 4,195 Ft., 49 Services
- ◆ 2023 Plaza Ave; 1,100 Ft., 9 Services
- ◆ 2023 W Market Buckeye; 4,078 Ft., 23 Services
- ◆ 2023 Comstock Vernon; 7,437 Ft., 46 Services
- ◆ 2023 Peace Ave; 1,116 Ft., 93 Services
- ◆ 2023 Mahoning Ave; 1,072 Ft., 1
- ◆ 2023 Gretchen Dr; 2,829 Ft 49 Services
- ◆ 2024 Youngstown Rd; 7,144 Ft., 63 Services
- ◆ 2024 Maple Hayes; 157 Services
- ◆ 2024 Bingham Raymond; 139 Services
- ◆ 2024 Harrison Logan; 132 Services
- ◆ 2024 Dana Elm; 116 Services



DAILY ACTIVITIES

Ohio Edison Street Lighting Service Plan

Ohio Edison / First Energy is responsible for maintenance of the street lights in the City of Warren. The street lights are owned by Ohio Edison and maintained by them under a Street Lighting Service plan.

In 2022, Ohio Edison repaired 343 street lights under the City of Warren's service plan by replacing bulbs, refractors, photoelectric cells and ballasts.

Ohio Edison Projects

In the summer of 2022, Ohio Edison pulled new high voltage cables through the newly installed ductwork and connected them to the existing equipment. The work took several weeks to complete.

Ohio Edison plans to replace two transformers and a piece of switchgear in the downtown network in 2023.

LED Street Light Conversion

Mandates requiring the conversion of the existing street lighting system to LED lighting are forthcoming. The City of Warren will evaluate the options presented by Ohio Edison / First Energy and other private providers.

To Report A Street Light Outage:

- ◆ *Call 1-888-LIGHTSS (1-888-544-4877)*
- ◆ *Say "streetlight" after the greeting.*
- ◆ *Use the following link to report the lighting problem online:*

https://firstenergycorp.com/content/customer/service_requests/report-lighting-problem.html.html

THE CITY OF WARREN HAS 5,331 STREET LIGHTS AND PAYS OHIO EDISON APPROXIMATELY \$500,000 PER YEAR FOR THE SERVICE AND MAINTENANCE OF THE LIGHTS.



LOCAL MAINTENANCE PROJECTS

Electrical Maintenance Contract

The city renewed the Electrical Maintenance Contract in 2022 for the amount of \$166,000 with Main Lite Electric Company, Inc. of Warren, Ohio. The contract covers the maintenance of Traffic Signals including Pedestrian Signals and the Emergency Preempt System, Caution Signals, School Flashing Beacons, Tornado Sirens, the Radio Fire Alarm, and Downtown Ornamental Street Lighting. The contract was bid in 2020 and can be renewed for up to five years.

Utility Street Cut Repairs

Chagrin Valley Paving of Independence, Ohio entered into a competitively bid contract with the City of Warren to repair asphalt pavement at various locations throughout the city where underground utility repairs were made. The work consisted of removing 3 inches of existing cold patch or temporary aggregate fill, and then applying 3 inches of compacted hot asphalt to each utility cut. The project repaired 2,749 SY of utility cuts at a cost of \$262,392. The project was funded through the Water Department. Bidding documents and project specifications were provided by the engineering division.

Street Sweeping Contract

The street sweeping contract was renewed for 2022 in the amount of \$146,200 with EverBrite Power Sweeping of North Jackson, Ohio. Streets in the Central Business District are swept four times per year. Arterial roads and residential streets with curbs are swept twice a year. Curb attached sidewalk areas in our central business district and along arterial roads are swept once a year in the spring. The contract was bid in 2020 can be renewed for up to five years.

Grass Cutting and Maintenance

Enviroscapes was hired to cut grass and maintain various areas in the city throughout the growing season. The authorized work included mowing along the Greenway Trail, brush hogging the city's Riverwalk Trails, mowing the Union Cemetery and Bullhead Park, vegetation control along arterial roads, maintaining the mulch beds and landscaping at the Municipal Building and Gibson Building, and maintaining the tree grates in the central business district. The collective cost of the work was \$31,590.

Local Maintenance Projects

The Engineering Division will often prepare specifications and solicit proposals to complete small maintenance projects. The projects have been favorably received in the community and have supplemented the local labor force.

Specialized engineering services are also authorized to assist the staff in design, monitoring, and compliance reports. The continued cooperation in funding these types of projects will allow the city to provide quality services in an efficient manner.

LOCAL MAINTENANCE PROJECTS

2022 Local Maintenance Projects

Project	Work Performed By	Cost
Air Balancing Report / Gibson Building	WAE Balancing	\$15,500
Impound Lot Paving Area	EverBrite	\$6,500
City Parks Plan	Baker Bednar Snyder	\$15,000
Perkins Rose Garden Landscaping	Gaumer Landscape	\$705
Guardrail Repair	Shook Company	\$5,250
Mahoningside Inspection Report	Thomas Fok & Associates	\$3,000
Engineering Design Assistance	Lynn Kittinger & Noble	\$11,245
Construction Inspection Assistance	Professional Service Industries	\$14,500
Various Lighting Repairs	Main Lite Electric	\$32,911



PROJECT FUNDING SOURCES

Funding for roadway improvements will usually come from one of the following sources: FHWA - (Federal STP / CMAQ funds), OPWC – (State SCIP / LTIP funds), CDBG – (Federal HUD funds), the vehicle registration permissive tax and City of Warren – (Local funds).

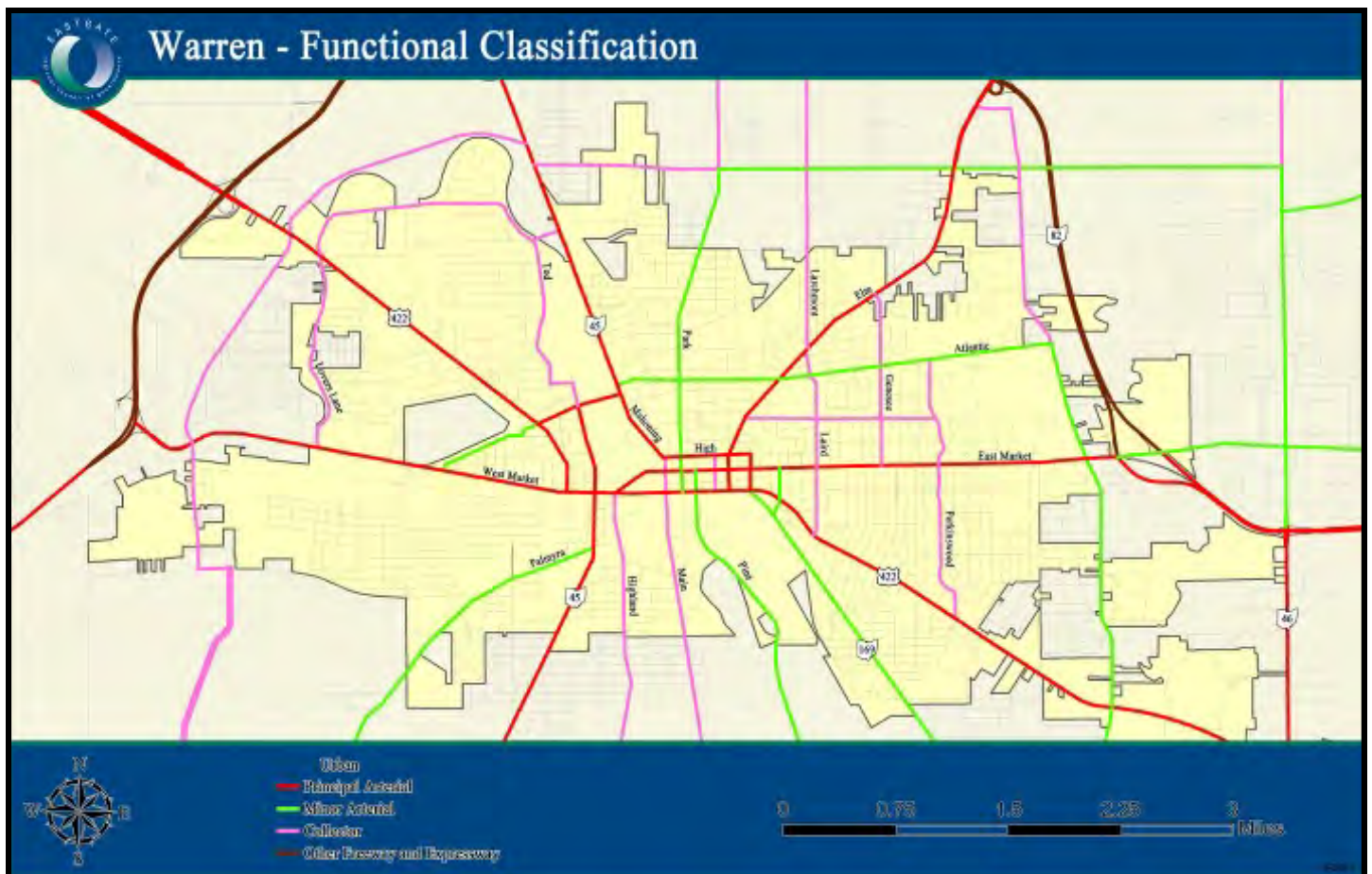
Federal Highway Administration

The Federal Highway Administration (FHWA) allocates federal funds through regional metropolitan planning organizations (MPOs). The Eastgate Regional Council of Governments serves as the local MPO for the City of Warren and communities throughout Trumbull and Mahoning Counties. A Transportation Improvement Plan (TIP) is prepared every two years with involvement from the Ohio Department of Transportation and local

communities. The TIP provides a comprehensive listing of projects that will be utilizing federal and state funding.

A road must be on the federal aid system in order to apply for and receive federal funds for a capital improvement. The federal aid routes are identified as arterial or collector roads by the MPO and local community. A map of the federal aid routes located in the City of Warren is included below.

Federal funding often covers 80% of the costs for a capital improvement project on a federal aid route. The local communities must come up with the 20% share. There are projects that are eligible to obtain a combination of federal and state funds that can assist in covering a local community’s 20% match.



PROJECT FUNDING SOURCES

Ohio Department of Transportation

The Ohio Department of Transportation (ODOT) provides funds for resurfacing projects on state and U.S. routes within municipal corporations through the Urban Paving Program. An annual allocation is set and distributed to ODOT Districts throughout the state based on mileage of eligible routes and the condition of those routes.

Urban paving funds will cover up to 80% of the resurfacing costs. The ODOT will not participate in items such as curbs, sidewalks, utilities and other non-surface work. If a local government wishes to expand repairs beyond the surface treatment, it will have to provide the funds from a source other than the Urban Paving Program.

Ohio Public Works Commission

The Ohio Public Works Commission (OPWC) allocates state funding (formerly referred to as Issue II funds) to assist local communities in improving infrastructure systems. The program is designed to fund roadway, storm water, bridge, water, and sewer projects that could not be completed without state assistance.

The City of Warren sits on a committee comprised of individuals from Trumbull and Mahoning Counties to evaluate and rank projects on an annual basis. The city has obtained over \$22 million in OPWC grants since the inception of the program.

Community Development Block Grant

The Community Development Block Grant (CDBG) Program issues funding to improve our neighborhoods through infrastructure projects, economic development, housing services, and projects fulfilling public service needs.

A citizen review committee works with the CDBG staff and the administration to review and approve annual funding for various programs. The committee has on average allocated about \$300,000 per year to complete road reconstruction in target areas. The CDBG funding covers 100% of the project cost.

Motor Vehicle License Tax

The motor vehicle license tax is collected by the City of Warren and used for roadway improvements.

The local/permissive tax is not the same for all taxing districts. The local/permissive tax amount depends on the taxes enacted by local officials in each area. Each taxing district may enact up to four \$5 license tax levies. Most large urban communities in Ohio have enacted the four \$5 license tax levies permitted by the ORC.

It is a vehicle registration tax enacted by local officials in each city/township and county. The tax is distributed to the local corporations and used to plan, construct, maintain and repair public roads, highways and streets, according to ORC 4504.02.

The City of Warren has enacted four \$5 levies that are part of the vehicle registration fee. Each levy generates approximately \$157,000 annually.

Of the \$628,000 that is generated from the four levies, \$345,400 goes to operations and maintenance while the remaining \$282,600 is earmarked as matching funds for street resurfacing and treatment.

City of Warren Local Funds

The majority of roads throughout the community are not on the federal aid system and many of our streets are not likely candidates for OPWC funds. Roads that are not located in community development target areas are not eligible for CDBG funding. The roads that can't be funded through other outside sources are improved through the City of Warren where local funds provide 100% of the costs.

In November of 2016, the voters in the City of Warren approved a 0.5% increase in the local income tax. The additional revenues would be used to increase staffing levels in the police and fire departments and to create a road improvement program. The funds for the road program would primarily address streets that aren't eligible or good candidates for federal and state grants.

PROJECT FUNDING SOURCES

Gas Tax

In July of 2019, the State of Ohio increased the state gas tax. Ohio motorists now pay an additional 10.5¢ per gallon bringing the total state gas tax up to 38.5¢ per gallon. Lawmakers in the Ohio General Assembly passed the increase in an effort to improve the roads throughout the state. Municipalities will receive 45% of the gas tax proceeds. The City of Warren receives an additional \$750,000 per year from the gas tax increase. The tax revenue will be distributed on a monthly basis.

In 2014, the City of Warren authorized the issuance and sale of bonds in the amount of \$2.5 million to improve city streets. The administration and council saw the need to address local road improvements that had been historically underfunded. In 2016, Warren residents approved a 0.5% increase in the local income tax. The promise of a local resurfacing program that was to be funded by a portion of the additional revenue was a strong selling point to the voters that approved the measure. In 2017, the City of Warren enacted the fourth and final \$5 motor vehicle license tax. Of the \$628,000 that is generated from the four levies, \$282,600 is earmarked as matching funds for street resurfacing. The city has successfully applied for federal and state funds to help offset the local costs of maintaining the main thoroughfares. For the thirteen year period between 2008 and 2020, the City of Warren has completed approximately \$56 million in capital improvements. The city's local share has amounted to approximately 13% of this total.

The administration, council, and local officials have made great efforts in planning, programming, funding, and constructing the aforementioned capital improvements. Most of the city's main thoroughfares are in good condition. However, there are still significant investments that are needed for the city's residential streets. It is the recommendation of the Engineering Department that the additional revenue that is anticipated from an increase in

the gas tax be earmarked for local resurfacing and maintenance programs. The additional gas tax revenue should supplement, not replace, the funds that have been set aside from the increase in the local income tax and license plate fee. Well-funded road programs are an investment in the city's neighborhoods.

The community wide survey that was completed for the city's comprehensive plan indicated that the residents were largely dissatisfied with the condition of the roads. Allocating the additional funding from the gas tax into road resurfacing programs will assist the city in addressing this important matter.

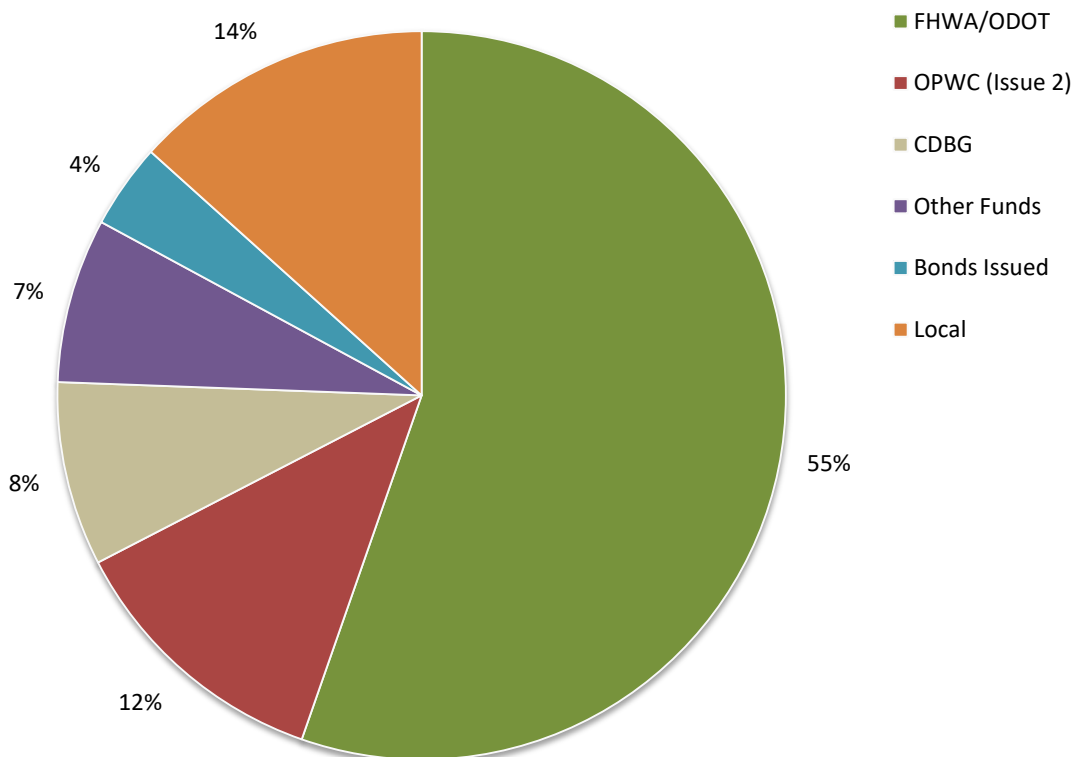


PROJECT FUNDING SOURCES

15 YEAR SUMMARY
2008 TO 2022

FHWA/ODOT	\$	39,713,774	55.3%
OPWC	\$	8,666,447	12.1%
CDBG	\$	5,861,918	8.2%
OTHER FUNDS	\$	5,244,330	7.3%
BONDS ISSUED	\$	2,703,489	3.8%
LOCAL FUNDS	\$	9,573,446	13.3%
TOTAL	\$	71,763,404	100%

Project Funding from 2008 to 2022



BUILDING IMPROVEMENT PROJECTS

CITY HALL RESTORATION

Warren City Council passed Ordinance 12488/13 in the fall of 2013 which provided for the issuance and sale of \$4,000,000 in bonds for renovating and repairing existing city buildings. The balance of \$1,000,000 was set aside for improvements to the three buildings that comprise the City Hall Complex. The City of Warren has applied for and received a NOPEC grant in the amount of \$200,000 to assist with the costs of the needed HVAC improvements and a Save America's Treasures grant in the amount of \$500,000 to assist with covering a portion of the restoration costs.

Dimit Architects of Lakewood, Ohio completed assessments of City Hall, the Information Technology Building, and the City Law Office. Plans and specifications for the project were completed. The scope of the project includes replacement of the flat roof sections, masonry repairs, window restoration, HVAC improvements, electrical upgrades, painting of the exterior woodwork, and ADA accommodations.

The project was put out to bid in the winter of 2021. GreenHeart Companies of Boardman, Ohio was the low bidder at \$1,573,710. Construction was completed in the fall of 2022. All of the work was completed in accordance with federal and state historic preservation standards. The project will be finalized in 2023.



BUILDING IMPROVEMENT PROJECTS



The Perkins Property is listed in the National Register of Historic Places and is made up of three structures: the Perkins House (City Hall), the Business Office (Law Department), and the Carriage House (IT).

The City of Warren will be using funds generated through the sale of municipal bonds (\$1,000,000), a federal Save America's Treasures grant (\$500,000), and a NOPEC grant (\$200,000) to restore the three buildings that comprise the City Hall complex.



The Perkins House was constructed in 1871. The three buildings that comprise the city hall complex have been used for city offices since its purchase in 1931. The last major restoration of the buildings occurred in 1976.

BUILDING IMPROVEMENT PROJECTS

Amphitheater Restrooms

The project consists of construction two new 32-foot square, freestanding restroom facilities. Each facility will have five men's and five women's stalls. Each facility will have a three-position lavatory for hand washing. Each facility will be in accordance with current accessibility guidelines. The proposed buildings will be constructed on the upper level of the amphitheater facility. One will be on the north end of the site near the parking lot and the other will be on the south end near the top of the steps to the riverwalk.

Operations Building / Partial Demolition

The project proposes a partial demolition of the existing Operations Department building. This project includes incidental reconstruction needed to enclose the remaining building after the partial demolition is completed. This reconstruction is required as the demolition will leave the portion of the building that is to remain exposed with no exterior wall. The portion of the building proposed to be demolished is the oldest portion and is structurally unsafe. This portion of the building has current demolition orders from the City Building Official.

THE CITY OF WARREN WILL BE USING ARP FUNDS, REVENUES GENERATED THROUGH THE SALE OF MUNICIPAL BONDS, A STATE CAPITAL APPROPRIATIONS GRANT, AND A NOPEC GRANT TO COMPLETE THE FIVE PROJECTS OUTLINED ON THE FOLLOWING PAGES.

Gibson Building / HVAC Improvements

The Gibson Building renovations include the complete replacement of the VAV rooftop and fan-powered box systems as well as the replacement of the boiler system located within the building penthouse. The new units will be high efficiency and provide the city with utility cost savings. A new building automation system (BAS) will be implemented for all new equipment.



BUILDING IMPROVEMENT PROJECTS



City Hall Interior Improvements

The project will complete interior improvements that are needed for city hall, the law department, and data processing buildings. The scope of work includes electrical upgrades, lighting improvements, plaster and painting, restroom improvements, and carpet replacement.

City Parking Lots

The project will include resurfacing the following city owned parking lots:

- ◆ Gibson Building
- ◆ Burbank Park
- ◆ Packard Music Hall (North Lot)
- ◆ Vans Building
- ◆ Parkman Road Fire Station
- ◆ Packard Park (Tennis Court Lot)

Amphitheater Restrooms

Project Estimate:: \$1,365,000

Funding Source: ARP / State Capital (\$200,000)

Operations / Partial Demolition

Project Estimate:: \$700,000

Funding Source: ARP

Gibson Bldg / HVAC Improvements

Project Estimate:: \$1,625,000

Funding Source: ARP / NOPEC (\$104,000)

City Hall Interior Improvements

Project Estimate:: \$880,000

Funding Source: Bond / NOPEC (\$100,000)

City Parking Lots

Project Estimate:: \$380,000

Funding Source: Bond

LOCAL PROJECTS

2022 CITY RESURFACING PROJECT

The City of Warren entered into a competitively bid contract in the amount of \$3,230,983 with Shelly & Sands, Inc of North Jackson, Ohio for the 2022 City Resurfacing Project. The project scope included milling, resurfacing, manhole and inlet adjustment, tree removals and signage. The city included \$1 million of ARP funding to complete sidewalk improvements in the project. The streets listed in the chart on the next page consisting of approximately 7.8 miles of roadway were improved. The road resurfacing was completed in the fall of 2022. The sidewalk work will resume in the spring.



Street Name	From	To
Garden St NW	Parkman Rd	Tod Ave
Hartman Ave NW	Garden St	Dead End North
Robert Ave NW	Garden St	Tod Ave
Riverview St NW	Tod Ave	Bingham Ave
Vernon Ave NW	Roosevelt St	Comstock St
Blair Ave NW	West Ave	Idylwild St
Madison Ave NW	North St	Dead End South
Arlington Ave NW	Comstock St	Douglas St
Albert St NW	Park Ave	Fremont Ave
University St NW	Brighton Ave	Larchmont Ave
Brighton Ave NE	Hollywood St	University St
Hollywood St NE	Elm Rd	Brighton Ave
University St NE	Clermont Ave	East of Irene
Irene Ave NE	Cornell St	Dead End North
Parkside St NE	Genesee Ave	Adelaide Ave
Parkside St NE	Willard Ave	Perkinswood Blvd
Bonnie Brae Ave NE	E Market St	Woodland St
Oak Knoll Ave NE	E Market St	Woodland St
Crescent Dr NE	Perkinswood Blvd	Golf Dr
Foster Dr NE	Butler Rd	Overlook Dr
Grandview St SE	Oak Knoll Ave	Willard Ave
Sussex St SE	Francis Ave	Perkinswood Blvd
Sussex St SE	Meadowbrook Ave	Eastland Ave
Candlelight Dr SE	North Rd	Dead End East
Hazelwood St SE	Youngstown Rd	Burton St
Clarence St SE	Homewood Ave	Francis Ave
Belvedere Ave SE	Youngstown Rd	Colonial St
Union St SW	Austin Ave	Nevada Ave
Aris St NW	Lovers Lane	Southern Blvd
Engleson Dr NW	Tod Ave	Carlton Dr
Roosevelt St NW	West Ave	Park Ave
Hamilton St SW	Nevada Ave	Austin Ave
Choctaw St SW	MLK Ave	Dead End East

OPWC PROJECTS

2022 OPWC / CDBG ROAD PROJECT

The City of Warren entered into a competitively bid contract in the amount of \$1,422,747 with Shelly & Sands for the 2022 OPWC / CDBG Road Project. The project scope included milling, resurfacing, curb ramps, manhole and inlet adjustment, tree removals, street striping, and signage. The streets listed in the chart below consisting of approximately 4.6 miles of roadway were improved.

Construction was completed in the fall of 2022 at a cost of \$1,347,080. OPWC funds covered \$688,500 of the project costs, CDBG funds covered \$443,250 and general fund revenues covered \$215,330.



Street Name	From	To
Dunstan St NW	Tod Ave	Heather Ln
Heather Ln NW	Dunstan Dr	Crestwood Dr
Ohio Ave NW	W Market St	Summit St
First St SW	Highland Ave	Main Ave
Burton St SE	Pine Ave	Niles Rd
Third St SW	Tod Ave	Highland Ave
Kenilworth Ave SE	Youngtown Rd	E Market St
Woodbine Ave SE	Youngtown Rd	E Market St
Central Parkway SE	Sussex St	Trumbull Ave
Meadowbrook Ave SE	Central Parkway	Sussex St

OPWC PROJECTS

2023 OPWC / CDBG ROAD PROJECT

The 2023 OPWC / CDBG Road Project will resurface the streets listed in the chart below. The project will include milling, resurfacing, manhole and inlet adjustment, curb ramps, tree removal, pavement striping, and signage.

The estimated cost of the project is \$1,050,000. OPWC funds will cover 54% of the project costs, CDBG funds will cover 23%, and general fund revenues will cover the remaining 23%. The project consisting of 3.1 miles of roadway will be resurfaced in the summer of 2023.



Street Name	From	To
Monticello Ave NW	Moncrest Dr	Dodge St
Norwood St NW	Tod Ave	Northfield Ave
Eastland Ave SE	Catalpa St	Surray Rd
Burton St SE	Niles Rd	Central Parkway
Risher Rd SW	Palmyra Rd	MLK Ave

The City of Warren has obtained over \$22 million dollars in Ohio Public Works Commission (OPWC) grants since 1988. The program utilizes funds from the State Capital Improvement Program (SCIP) and the Local Transportation Improvement Program (LTIP) to fund roadway, storm water, bridge, water and sewer projects.



Resurfacing Summary

2012 to 2022

<i>2012</i>	<i>8.0 Miles</i>
<i>2013</i>	<i>6.5 Miles</i>
<i>2014</i>	<i>23.5 Miles</i>
<i>2015</i>	<i>6.6 Miles</i>
<i>2016</i>	<i>5.6 Miles</i>
<i>2017</i>	<i>9.9 Miles</i>
<i>2018</i>	<i>13.0 Miles</i>
<i>2019</i>	<i>14.5 Miles</i>
<i>2020</i>	<i>7.8 Miles</i>
<i>2021</i>	<i>14.2 Miles</i>
<i>2022</i>	<i>12.4 Miles</i>
<i>Total</i>	<i>122.0 Miles</i>

The City of Warren has 184 miles of streets. The total number of miles of asphalt surfaced streets is 138 miles. The Engineering Department expects the newly resurfaced roads with polymer asphalt to last fifteen to twenty years.





The cost of paving streets has risen significantly over the past twenty years. In 2000, the cost of resurfacing one mile of a two lane city street was approximately \$65,000. In 2022, the cost was approximately \$200,000.



ODOT Summary of Contracts

Historical Costs

	<i>2000</i>	<i>2010</i>	<i>2020</i>	<i>2022</i>
<i>Pavement Planing (SY)</i>	<i>\$0.67</i>	<i>\$1.00</i>	<i>\$1.39</i>	<i>\$1.92</i>
<i>Tack (Gal)</i>	<i>\$0.80</i>	<i>\$1.85</i>	<i>\$2.17</i>	<i>\$2.66</i>
<i>441 Asphalt (CY)</i>	<i>\$67.28</i>	<i>\$118.70</i>	<i>\$158.51</i>	<i>\$195.30</i>
<i>424 B Asphalt (CY)</i>	<i>\$71.93</i>	<i>\$155.27</i>	<i>\$168.33</i>	<i>\$219.38</i>

SIDEWALK PROJECTS

Warren Express Sidewalks

The City of Warren entered into a competitively bid contract in the amount of \$343,627 with Foust Construction for the Western Reserve Transit Authority's FTA Sidewalk Project. Assessments have been made to improve sidewalks and curb ramps in the areas served by the WRTA Warren Express Bus Route. Federal Transit Funds will cover 100% of the project costs up to a maximum of \$296,560. The project is scheduled for construction in the spring of 2023.

Arterial Sidewalks

The city obtained a grant through Eastgate's Transportation Alternatives Program to improve sidewalks and curb ramps along arterial roads throughout the city. Assessments and estimates have been prepared to replace deteriorated sidewalk sections on West Market St, South St, Parkman Rd, Summit St, Mahoning Ave, Park Ave, and Elm Rd. TAP Funds will cover 80% of the project costs up to a maximum of \$276,000. The project is scheduled for construction in the spring of 2024.



The City of Warren allocated \$1 million of ARP funds in 2022 to improve sidewalks. Sidewalk assessments were made in each ward and the work was included in the 2022 local road program. The work was started in 2022 and will be completed in 2023.

FHWA SIGNAL PROJECTS

TRAFFIC SIGNAL EVALUATION & UPGRADE

The City of Warren entered into a competitively bid contract in the amount of \$1,397,000 with S.E.T. for the Warren Signal Upgrade Project. The project consists of upgrades to the traffic signal system including new vehicular detection, pedestrian signal heads, controllers, battery backup units, removal of unwarranted signals, radio communications, cellular modems, and a new central system. Burgess & Niple completed the signal assessments and design work. The value of the engineering contract is \$260,738. The Environmental Design Group will perform the construction administration at a cost of \$113,526. Federal CMAQ funds will cover 100% of the project engineering and construction costs.

Safe Routes to School Signals

The SRTS project will replace the city’s 20 MPH school zone flasher assemblies, install new pedestrian signal heads with countdown feature, and install three new pedestrian signals. Federal SRTS funds will cover 100% of the project cost. The SRTS School Zone Signals Project is being constructed in conjunction with the Traffic Signal Upgrade Project. Burgess & Niple has completed the engineering design at a cost of \$12,000. Construction started in the fall of 2022 and will resume in the spring.

The City of Warren received \$1,883,500 in federal funding to improve the city signal system and school zone flasher assemblies..

Traffic Signals to be Removed
Parkman Road & Southern Boulevard
Parkman Road & Coit Avenue
Parkman Road & Denison / Northwest
Parkman Road & Drexel Avenue
Mahoning Avenue & Hall Street
West Market Street & Southern Boulevard
West Market Street & Nevada Avenue
South Street & Park Avenue
East Market Street & Belvedere Avenue
East Market Street & Country Club Drive
High Street & Courthouse Crossing
North Park Avenue & Washington Street
North Park Avenue & Dana Street
Woodland Street & Laird Avenue
Woodland Street & Genesee Avenue
Atlantic Street & Paige Avenue
Atlantic Street & Laird Avenue
Elm Road & Dana / Edgewood
Tod Avenue & Palmyra Road
Main Avenue & Fulton Street
Pine Avenue & Industrial Park Drive



FHWA / ODOT PROJECTS

RESERVE AVENUE BRIDGES

The City of Warren entered into a competitively bid contract in the amount of \$1,807,013 with BG Trucking & Construction for the rehabilitation of two bridges located on Reserve Avenue. The work started in the fall of 2022 and will be continued in the spring of 2023. The design engineering was completed by MS Consultants at a cost of \$146,288 and the construction administration is being performed by CTL Engineering at a cost of \$266,829. Two railroad permits were required for the project. The cost associated with obtaining the permits was \$100,122. Federal funds will cover \$1,346,352 of the project costs. State OPWC funds will cover \$336,000. The balance of the project costs will be covered by the City of Warren.

TRU- WARREN BOULEVARD PROJECT

The Ohio Department of Transportation entered into contract with Karvo Companies for the removal and replacement of deteriorated sections of concrete on Warren Blvd. SE between Chestnut Ave and Columbia Place. Minor bridge work included concrete sealing and waterproofing. The cost of the project was \$555,000. The project costs were covered by the ODOT (\$400,000), the OPWC (\$100,000), and the City of Warren (\$55,000). The project was completed in the spring of 2022.

FUTURE ROAD IMPROVEMENT PROJECTS

The Engineering Division has secured federal and state funding from the Eastgate Regional Council of Governments for the following projects:

- ◆ High / Mahoning \$1,200,000 (FY24)
- ◆ Park Avenue \$1,200,000 (FY24)



FHWA / ODOT PROJECTS



TRAFFIC COMMISSION LEGISLATION — ORDINANCE 13167 / 22

The legislation to amend the city traffic control map for the following areas was approved by Council in October of 2022.

NO PARKING — SOUTHWEST BLVD / LANE DR / MARTIN ST / VALLEY AVE

The Western Reserve Transit Authority (WRTA) indicated that busses were having problems navigating through neighborhoods served by their routes due to on street parking. A request to designate “No Parking” zones during the hours of 6 AM to 6 PM on the following streets was approved by the Traffic Commission and City Council.

- ◆ The east and west sides of Southwest Boulevard SW from Palmyra Road to Deerfield Avenue,
- ◆ The north and south sides of Lane Drive SW from Main Avenue. to Martin Street,
- ◆ The north and south sides of Martin Street SW from Lane Drive to Valley Avenue, and
- ◆ The east and west sides of Valley Avenue SW from Martin Street to 3RD Street.



WRTA provides fixed route bus service on thirty scheduled bus routes in Mahoning County and the City of Warren. Rides on WRTA busses are free.



CITY OF WARREN 2022 CRASH DATA

Year	Total Crashes	Fatalities	Serious Injuries
2022	689	1	27
Grand Total	689	1	27

689 TOTAL CRASHES

1 FATAL CRASH

46 ALCOHOL RELATED ACCIDENTS

9 DRUG RELATED ACCIDENTS

12 ACCIDENTS INVOLVING PEDESTRIANS

1 ACCIDENT INVOLVING BICYCLE

13 ACCIDENTS INVOLVING MOTORCYCLES

149 ACCIDENTS INVOLVING SENIOR DRIVER (AGE 65+)

205 ACCIDENTS INVOLVING YOUNG DRIVER (AGE 15 TO 25)

Crash Type	Fatal	Serious Injury	Minor Injury	Injury Possible	PDO No Injury	Grand Total
Angle	0	4	34	23	103	164
Rear End	0	0	25	31	91	147
Fixed Object	0	7	18	9	58	92
Sideswipe - Passing	0	1	1	5	61	68
Backing	0	0	3	2	49	54
Left Turn	0	2	9	6	34	51
Parked Vehicle	0	0	1	2	34	37
Right Turn	0	0	2	2	12	16
Head On	0	2	3	3	8	16
Animal	0	1	0	0	11	12
Pedestrian	1	4	3	4	0	12
Other Non-Collision	0	1	3	2	5	11
Overturning	0	1	1	0	1	3
Unknown	0	0	0	0	2	2
Other Object	0	0	0	0	2	2
Pedalcycles	0	0	1	0	0	1
Sideswipe - Meeting	0	0	0	0	1	1
Grand Total	1	23	104	89	472	689

MAHONING RIVER RESTORATION

Mahoning River Corridor Revitalization Plan

The Eastgate Regional Council of Governments is presently working with the City of Warren and other communities on the Mahoning River Corridor Revitalization Plan. The plan has identified nine low head dams along the Mahoning River for removal. The project includes ecological improvements, restoration efforts, expanding recreational amenities, and enhancing economic development opportunities regionally. To learn more about the Mahoning River Corridor Revitalization Plan, visit the Eastgate Council of Governments website.

<https://eastgatecog.org/projects/environmental/mahoning-river-restoration>

<https://mymahoningriver.com/resources/>



ODNR / CMAQ PROJECTS

Boat Launch at Packard Park

The City of Warren entered into a competitively bid contract in the amount of \$87,188 with Woodford Excavating to construct a small boat launch along the Mahoning River in Packard Park. A grant from the ODNR Division of Parks and Watercraft covered the 100% of the construction cost up to \$74,118. Local CDBG funds covered the balance. The project was completed in 2022 at a cost of \$93,626.

Packard Park Pedestrian Bridge

The Packard Park Pedestrian Bridge spans the Mahoning River and is 279 feet in length. The bridge was constructed in the early 1980's and was closed in the winter of 2018 due to structural concerns. The cost to replace the superstructure is \$1,275,000. The city applied for and will be receiving CMAQ funds to cover 80% of the project cost (\$1,020,000). Project funding will be provided in the FY26 / FY27 Program.



FHWA PROJECT

Warren Riverwalk Projects

The Warren Riverwalk Projects have been funded by a \$1.1 million grant through the Federal Highway Administration. Engineering, environmental studies and construction are eligible for project funding. The grant funds are being provided at 100% for eligible items.

Riverwalk projects constructing trails at Lovers Lane, Burbank, and Bullhead Parks were completed in 2015. Stone masonry work at several riverfront facilities at Perkins and Packard Parks were also completed in 2013 with the funds. There is a balance of approximately \$385,000 that has been programmed for the Mahoningside Property.

Mahoningside Project

The plan for the Mahoningside Project will include a walkway overlooking the Mahoning River, a walkway through the failed wall section to the riverbank, a riverfront patio on the lower spillway, landscaping, lighting and other amenities. The Environmental Design Group (EDG) has completed the design and specifications for the project.

The preliminary construction cost estimate is \$450,000. The plans will be set up with a base project and ad alternates that allow the city to fully utilize the \$385,000 of previously obtained federal grant funds. The city may wish to supplement the Riverwalk grant with local funds to complete some of the ad alternates.

The plans for the Mahoningside Project are complete. Revisions to the environmental covenant have been approved by the OEPA. The city intended to construct the Mahoningside project in the 2021 calendar year. Reports prepared for the removal of the Summit Street Dam have indicated that the Mahoningside property will be needed for staging and access to the dam and river. The information has been sent to the state for review and comment. The city requested and received an extension of the \$385,000 in federal funds that were allocated for the Mahoningside project.



OEPA PROJECT**Summit Street Dam Removal**

The City of Warren has been awarded a \$1,725,500 grant from the State of Ohio through OEPA Water Pollution Control Loan Fund (WPCLF) to remove the Summit Street Dam. The estimated cost of the project is \$3,225,500. The Eastgate Regional Council of Governments has secured \$1.5 million from the State of Ohio to be used as the local share of the project. Eastgate has issued a memorandum committing their share of the project funding. The scope of the project will include property acquisition, engineering and construction administration, sediment removal from behind the dam, dam removal, and riverbank restoration.

The city has selected MS Consultants of Youngstown, Ohio as the criteria engineer for the removal of the Summit Street Dam. A proposal in the amount of \$148,981 was submitted by MS Consultants and approved by Eastgate. Eastgate has provided a memorandum of understanding and certification of funds to cover the costs of the work by MS Consultants.

Water Resource Restoration Sponsor Program (WRRSP) funds were obtained in 2022 through the OEPA Water Pollution Control Loan Fund (WPCLF). The Northeast Ohio Regional Sewer District sponsored the project and will obtain below market interest rates by partnering with the City of Warren to restore the Mahoning River through the removal of the Summit Street Dam.

RiverReach Construction was chosen through a quality based selection process to serve as the design build team for the Summit Street Dam Removal Project. The contract in the amount of \$3,001,519 was reviewed and approved by representatives of the OEPA and the city's criteria engineer. The actual dam and sediment removal will be completed in 2024.

The OEPA and Eastgate will cover 100% of the project costs.

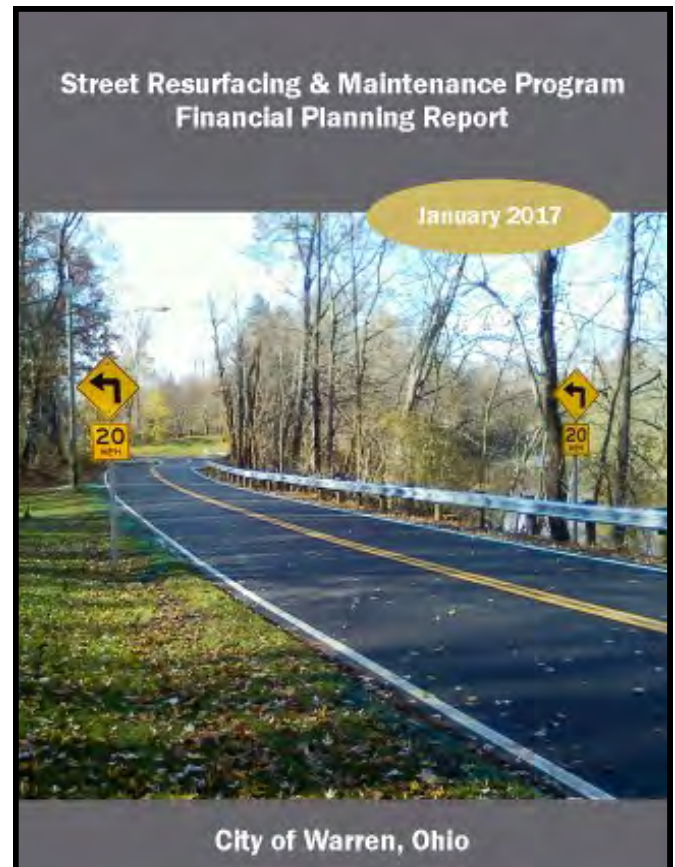


ENGINEER'S RECOMMENDATIONS

The Engineering, Planning & Building Department prepared the Street Resurfacing & Maintenance Program Financial Planning Report so city officials would have a realistic view of how much in revenues should be set aside each year for locally funded roadway improvements. The report documents the total number of miles of roads in the community, identifies potential grant sources, looks at maintenance programs to extend the service life of the roads, and proposes dedicated sources of local revenues to create a paving program where all of the roads are resurfaced within a fifteen year period.

Recommendations from the report are listed below:

- ◆ A minimum of \$300,000 should be allocated on an annual basis to establish a maintenance program. The program will include utility cut repairs, partial depth pavement repairs, thin asphalt overlays, crack sealing, traffic sign replacements, guardrail repairs and other right of way maintenance items. A good maintenance program will improve the pavement conditions and extend the practical service life of the roads.
- ◆ The city should continue their efforts to secure FHWA Funds for all roads on the federal aid system. The local cost associated with pursuing the federal funds is \$300,000 to \$400,000 per year on average.
- ◆ State OPWC Funds should be sought to assist with the local share needed for the federal aid projects. The city should also seek OPWC funds to assist with resurfacing roads not on the federal aid system.
- ◆ The continued cooperation of the CDBG committee is needed to ensure that a minimum allocation of \$300,000 per year is set aside for resurfacing roads located in target areas.
- ◆ The city should allocate a minimum of \$1,000,000 of local funds for roadway resurfacing. The funds may be used as the local share for various grants and can be used to begin a resurfacing program where residential roads are addressed within a fifteen year paving cycle. The \$1,000,000 local allocation will need to be increased in the future to account for the added cost of inflation in the paving industry.



2023 ENGINEERING DEPARTMENT CAPITAL PLAN

City of Warren / Engineering Department
2023 Capital Plan

Project	FHWA / ODOT	OPWC	ODOD / OEPA	CDBG	ARP / Bond	Local	Total
Local Roads - Resurfacing						\$1,500,000	\$1,500,000
Local Roads - Maintenance						\$100,000	\$100,000
2023 OPWC / CDBG Roads		\$567,000		\$241,500		\$241,500	\$1,050,000
High / Main / Mahoning	\$960,000	\$240,000					\$1,200,000
City Signal Project - Construction	\$1,633,500						\$1,633,500
SRTS - School Zone Signals	\$250,000						\$250,000
Reserve Avenue Bridges	\$1,346,352	\$336,000				\$637,900	\$2,320,252
Commercial Demolitions				\$50,000			\$50,000
St Joe's Hospital Demolition			\$5,900,000				\$5,900,000
WRTA Sidewalks	\$296,560					\$47,067	\$343,627
Utility Cut Repairs						\$207,500	\$207,500
Summit Street Dam Removal			\$3,225,500				\$3,225,500
Mahoningside - Construction	\$385,000			\$65,000			\$450,000
Building Improvement Projects					\$4,950,000		\$4,950,000
	\$4,871,412	\$1,143,000	\$9,125,500	\$356,500	\$4,950,000	\$2,733,967	\$23,180,379
	FHWA / ODOT	OPWC	ODOD / OEPA	CDBG	ARP / Bond	Local	Total



**CITY OF WARREN, OHIO
ENGINEERING, PLANNING & BUILDING**

PLANNING DIVISION



DAILY ACTIVITIES

The primary purpose of the planning & zoning division is to assist in the development of long range planning and to administer and enforce zoning regulations. The policies and review standards guide public and private development in an effort to promote the health and general welfare of the city.

The Planning Commission is a five member panel comprised of the mayor, the director of service and safety, and three residents from the city. The commission has the powers conferred and authorized by ORC section 713 and makes reports and recommendations to council. Meetings are held the third Thursday of each month. The planning coordinator serves as the secretary to the Board of Appeals and the Planning and Platting Commission and acts in an advisory capacity to the boards.

The planning division is involved in a variety of activities some of which are outlined below:

- ◆ Coordinates planning activities with the activities of city officials and residents
- ◆ Prepares new and updated zoning for presentation to city council
- ◆ Reviews plans and specifications for compliance with city policy and sound planning principles
- ◆ Keeps records and makes reports concerning planning and zoning matters
- ◆ Prepares materials for Planning Commission meetings
- ◆ Field enforcement of zoning, planning, and engineering ordinances and regulations
- ◆ Handles complaints and violations of the junk and abandoned vehicle ordinance
- ◆ Reviews property subdivisions and replats
- ◆ Prepares field survey reports for the Planning Commission and City Council
- ◆ Prepares materials for annexation proceedings
- ◆ Reviews applications for new gas wells and telecommunication leases
- ◆ Assigns new addresses as needed for new development
- ◆ Prepares reports, studies, maps, and other items of interest for the administration, council, and the public

The planning division believes that good planning and zoning policies are essential in guiding the development of the city. The policies can be used as a tool to address the constant change and evolution of a community. The policies display how the community presently views itself and shapes the vision of what it hopes to become.

The planning division welcomes the opportunity to work with the administration, council, and the public to create a strong and vibrant community.

BOARD OF ZONING APPEALS

VAR-22-01 1647 Desota St. N.W.

A variance request to allow for an additional accessory structure at was approved.

VAR-22-02 2493 Montgomery Ave N.W.

A conditional use variance to allow for a salon to operate in a Residential (A) zoning district was approved

VAR-22-03 3961 Welker Dr. N.E.

A variance to allow for a new accessory structure to exceed 15 feet in height was approved.

VAR-22-04 1133 East Market St N.E.

A conditional use variance to allow for a recycling facility to operate was canceled.

VAR-22-05 324 Southern Blvd N.W.

A variance request to place storage containers for temporary storage on a commercial lot was approved.

VAR-22-06 1860 Elm Rd. N.E.

A variance for a sign to exceed the height that is allowed by ordinance in a Commercial (B) was cancelled.

Var- 22-07 1401 Moncrest Dr. N.W.

A conditional use variance to allow transitional housing in a Residential (A) zoning district was denied.



Var- 22-08 3320 Youngstown Rd. S.E.

A conditional use variance to allow for light manufacturing in a Commercial (B) zoning district was denied.

Var- 22-09 1401 West Market St. S.W.

A zoning variance request to allow for a recycling facility in a Manufacturing (A) zoning district was approved.



Var-22-10 Enterprise Dr. N.W.

A variance to build in the side set back of Lot D Parcel ID 40-221 171 in a Manufacturing (A) zoning district was approved.

Var- 22-11 1006 Perkinswood St. S.E.

A conditional use variance to reestablish a convenience store in a Residential (A) zoning district was approved.

Var-22-12 363 Atlantic St. N.W.

A variance to allow a commercial business to operate in a Residential (A) zoning district was approved.



Var-22-13 328 Mahoning Ave. N.W.

A variance to allow an addition to the structure to be built in the rear setback in a Residential (C) district was approved.

CITY STATISTICS

Parks & Recreation

<u>Name of Park</u>	<u>Acreage</u>
Court House Park	4.00
Park Circle	1.62
Park Oval	1.27
Packard Park	53.49
Bullhead Park	18.70
Bullhead Park Addition	8.42
Quinby Park	10.73
Perkins Park	42.33
Kinsman House Property	3.93
Saker/Smith Property	2.00
Monumental Park	0.51
Burbank Park	24.60
Gould Stewart Park	19.98
North End Park	10.59
Southwest Memorial Park	15.29
Deemer Park	22.42
Am-Vets Park (West Market St)	1.34
Liberty Steel Park Land	2.00
Public Land (Rio Vista Road)	5.00
Lovers Lane Park Land	11.78
Mahoningside Park	6.15
Warren Greenway Trailhead	11.82
Total Acreage	277.97

*The City of Warren
is authorized under
Section 713 of the ORC to
establish a planning
commission and adopt
zoning regulations.*



*The Population of the City
of Warren is*

39,201

US Census April 2020

CITY STATISTICS

2022 STATISTICS

Sanitary Sewers

Total Sanitary Sewers	202.15 miles*
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* 1.513 miles of this is maintained by and permits are issued by Trumbull County

Storm Sewers

Total Storm Sewers	123.394 miles
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Miles of Streets

Total Miles of Streets	184.423 miles
------------------------	---------------

Land Area

Total Land Area	10,057.33 acres
-----------------	-----------------

LAND AREA

In Land 10,057.33 acres

In Water 155.10 acres

Total Land 10,212.73 acres

The Elevation of the City of Warren
At Courthouse Park

852.78 FT

Above Sea Level

LAND AREA
16.08 SQ. MI.

The City of Warren
has 41 Traffic Signals
in operation.

*The City of Warren
Comprehensive Plan was
completed in 2022. Public
hearings and adoption of
the plan will occur in 2023.*

Latitude 41° 14' 10"
Longitude 80° 49' 10"

In Courthouse Park, Warren, Ohio

PLANNING AND PLATTING COMMISSION / ZONING ENFORCEMENT

Annexations and Zone Changes

PL-21-01 Westlawn and Deemer Park

A zone change to the former Westlawn & Deemer Park to Manufacturing (A) was approved.

New Addresses

No new addresses were issued in 2022.

Zoning Enforcement

A summary of the Planning Division’s efforts in enforcing legislation is listed below:

- ◆ 189 Signs were removed and discarded from utility poles and right of ways.
- ◆ 269 vehicle citations warnings were issued. 6 vehicles were towed.
- ◆ There were 7 approvals of zoning for the sale or distribution of liquor and no objections.
- ◆ Numerous letters and approvals were issued for fences, zoning verification and other zoning matters.

The City of Warren is working with the Western Reserve Port Authority to market the properties from Westlawn, the Warren City Schools, and Deemer Park. The 86 acres of land are being considered for an industrial park.



DEMOGRAPHICS

 **MEDIAN INCOME**

The median household income of Warren households was \$30,377. 28.9% of Warren families live in poverty.

 **MEDIAN AGE**

The median age for Warren residents is 40.2 years young.

 **POPULATION**

With 39,334 people, Warren is the 33rd most populated city in the state of Ohio out of 1,263 cities.

 **RACE & ETHNICITY**

The largest Warren racial/ethnic groups are White (63.6%) followed by Black (26.5%) and Two or More (5.0%).

CITY OF WARREN COMPREHENSIVE PLAN SUMMARY

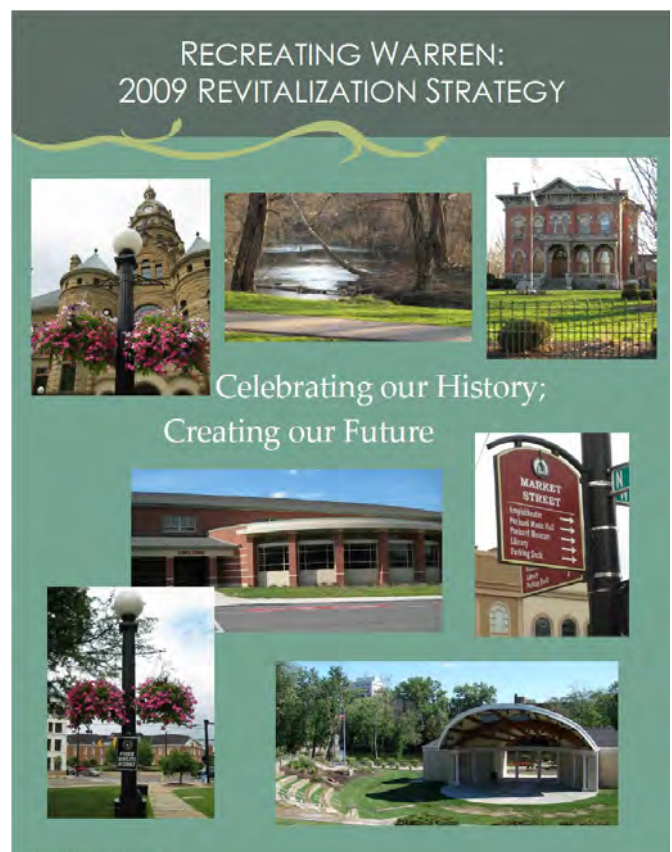
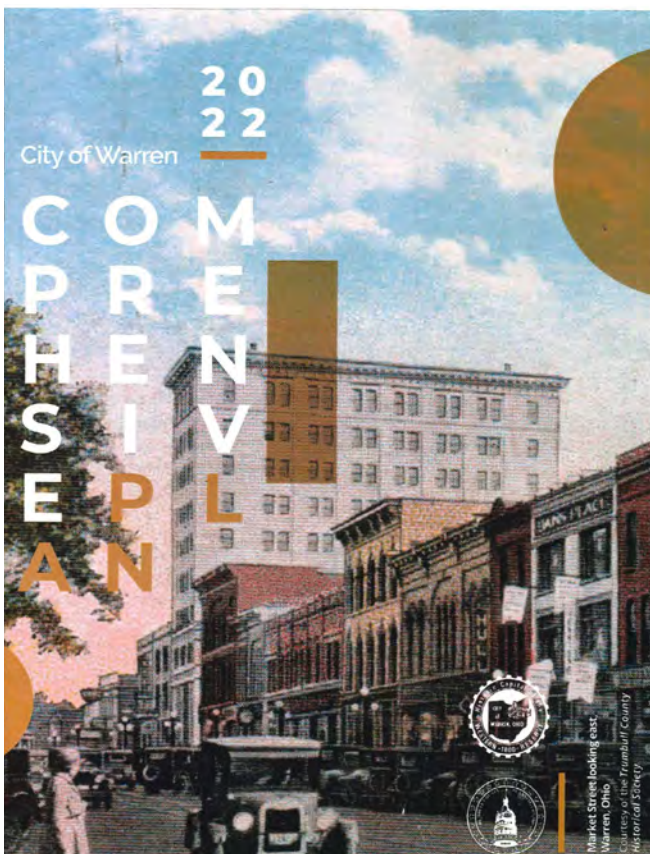
The city’s partnership with the Trumbull County Planning Commission to produce a new comprehensive plan was announced in the spring of 2016. In 2017, the Trumbull County Planners reached out to people who live in Warren, as well as local business owners, to gather data to use as they craft a plan. The City of Warren Planning Division provided feedback to the county on draft versions of the plan and provide information as needed.

The comprehensive plan could create opportunities to obtain grant money from the state and federal government. The plan will compliment the strategic plan produced by the Poggemeyer Design Group in 2009. The comprehensive plan was completed in 2022 and will be presented to the public in 2023.

PLANNING DIVISION RECOMMENDATIONS

The City of Warren worked with the Poggemeyer Design Group to create the city’s community plan and revitalization strategy. The plan outlines strategies for:

- ◆ Rightsizing
- ◆ Economic Development
- ◆ Housing and Neighborhoods
- ◆ Transportation
- ◆ Financing
- ◆ Education and Quality of Life
- ◆ Parks and Recreation
- ◆ The City’s Land Bank, and
- ◆ Government



**CITY OF WARREN, OHIO
ENGINEERING, PLANNING & BUILDING**

BUILDING DIVISION



DAILY ACTIVITIES

The Building Division administers and enforces the “Ohio Building Code”, the “Ohio Mechanical Code”, the “Ohio Plumbing Code”, and the “National Electric Code”. The Building Division also enforces local building code ordinances and provisions of building codes that concern fire prevention, elevators, and boiler systems. The purpose of the various codes is to protect public health, safety, and general welfare as they relate to the construction and occupancy of buildings and structures.

The building department registers building contractors, issues permits, maintains records and inspects all new construction and major rehabilitations. All building improvement plans are examined by state certified plan examiners to confirm compliance with the building codes. Field inspections ensure that the improvements are constructed in accordance with the approved plans. Certificates of occupancy are issued by the building department certifying a building’s compliance with applicable building codes and other laws and indicating it to be in a condition suitable for occupancy. Code enforcement programs for existing structures are in place to address buildings in disrepair.

- ◆ The building division issues permits and oversees the demolition of structures throughout the community.
- ◆ The building division is involved in a variety of activities some of which are outlined below:
- ◆ Assists citizens and contractors with the code and permit process
- ◆ Oversees the contractor registration process ensuring that those individuals and companies that do business in the city meet the regulatory standards set forth in the building code for the business in which they are operating
- ◆ Works with architects and engineers in plan reviews for building projects
- ◆ Provides records and reports for local building projects to the State of Ohio
- ◆ Responds to questions concerning city floodplain coordination
- ◆ Issues building orders to property owners of unsafe and unsecured buildings
- ◆ Works with other city departments and organizations in reviews of fire protection plans, property maintenance, and downtown development standards
- ◆ Inspects properties for housing rehabilitation programs and demolitions
- ◆ Prepares reports and other items as needed for Board of Building Appeals meetings

The building division believes that the policies regarding contractor registration, plan review, and code enforcement provides safeguards in the occupancy of local buildings. The department pursues systematic code enforcement for existing properties and provides nuisance abatement to properties and buildings in disrepair. The comprehensive approach preserves and strengthens our community.

2022 Permit Summary

COMMERCIAL PERMITS

BUILDING	86
DEMOLITIONS	10
ELECTRICAL	59
PLUMBING	17
HVAC	21
TOTAL COMMERCIAL PERMITS	193

<i>Permit Fees Collected</i>	\$402,924.38
<i>State Accessment Fees Collected</i>	\$2,189.20

(3% Returned to the Ohio Board of Building Standards)

RESIDENTIAL PERMITS

BUILDING	392
DEMOLITIONS	61
ELECTRICAL	229
PLUMBING	23
HVAC	110
TOTAL RESIDENTIAL PERMITS	815

<i>Permit Fees Collected</i>	\$62,499.91
<i>State Accessment Fees Collected</i>	\$588.16

(1% Returned to the Ohio Board of Building Standards)

Total City Building Fees

\$465,424.29

Total State Fees Collected

\$2,777.36

CONTRACTOR REGISTRATION

CONTRACTORS REGISTERED	454
<i>Registration Fees Collected</i>	\$59,835.00

Total City Fees Collected (Permits and Registration)

\$525,259.29

REGISTRATION REQUIREMENTS CODIFIED ORDINANCE 1305.015

All contractors that work within the City of Warren Corporation Limits must be registered.

The requirements for contractors to register are as follows:

- ◆ \$10,000 Surety Bond for one year
- ◆ Ohio Worker’s Compensation Certificate
- ◆ Proof of Liability Insurance Coverage
- ◆ Proof of State or Federal License (if req.)
- ◆ City Tax ID Number
- ◆ Contractor’s Qualification Statement
- ◆ Initial Registration or Renewal Fee.

The Registration requirements do not apply to such work performed by homeowners on or to single family dwellings in which they reside. Property Owner Waivers, as specified, and permits for such work, are however required.

Four hundred and fifty-four (454) general, electrical, H.V.A.C., plumbing and demolition contractors were registered to work in the City of Warren in 2022. The resulting registration fees brought \$59,835.00 into the general fund.

*The City of Warren
Building Department
has been certified
by the State of Ohio
since July 1962.*

STATE CERTIFICATIONS OF INSPECTORS

Building Division personnel are required to have a current certification for the position they hold by the Ohio Board of Building Standards and the Ohio Revised Code.

Certified Personnel & Duties:

Christopher A. Taneyhill

State of Ohio Board of Building Standards Certified:
Building Official

Certification Duties: The building official has the responsibility for the administration and operation of the certified building department. The building official receives building applications and oversees the process for plan examinations. The building official shall cause to be made such inspections as are necessary to ensure compliance with the Ohio Building Code. If there is a question of enforcement or interpretation of specific code requirements, correction items in plan review, or issues of noncompliance in inspections, the building official is the individual responsible to make the final decision to resolve the matter.

Greg Fridley

State Certified: Interim Building Inspector

Certification Duties: The interim building inspector has responsibilities similar to those detailed in the building inspector's job description. The State Board of Building Standards grants an Interim Building Inspector certification to applicants that have at least three years experience as a construction contractor, supervisor, or skilled tradesman for work subject to inspection under the code for non-residential buildings or structures. The applicant must complete a trainee program and pass a state examination within two years of receiving the interim certification

Harry L. Kriner

State Certified: Building Inspector & Mechanical Inspector

Certification Duties: The building inspector shall ascertain compliance of the actual construction with the approved set of construction documents. The inspector reports compliance and noncompliance issues to the building official for action. Based upon the inspector's findings, the building official, as the responsible individual for enforcement of the codes, makes the final decision on approval, issuance of orders, and issuance of temporary or final occupancy certificates. The mechanical inspection responsibilities include determining compliance with HVAC systems and the associated piping systems.



INSPECTION SERVICES / PLAN REVIEWS**Central Electric Inspection Bureau**

State Certified: Electrical Inspector

The Central Electric Inspection Bureau (CEIB) performs all of the electrical inspections for the building department. CEIB has two full time and three part time state licensed electrical inspectors. Permits for electrical work are issued by the city and forwarded to CEIB for inspection. CEIB shall determine compliance of the construction and installation of the electrical system using the approved set of construction documents. CEIB reports compliance and non-compliance issues to the building official for action.

The cost of the electrical inspections completed by the Central Electric Inspection Bureau for 2022 was \$21,070.

Plan Reviews

All building improvement plans are reviewed by state certified plan examiners to confirm compliance with the various building codes. The State of Ohio certifies Master Plans Examiners through the Ohio Board of Building Standards.

The City of Warren has professional service contracts with Thomas Fok & Associates and Joshua Thomas to complete the required plan reviews. The services are provided at an hourly rate.

The total cost of building plan reviews for 2022 was \$11,732.

Trumbull County Health Department

State Certified: Plumbing Inspector

The Trumbull County Combined Health District performs all of the plumbing inspections for the building department. The county has one full time and one part time state licensed plumbing inspector. Permits for plumbing work are issued by the city and forwarded to county health department for inspection. The county shall determine compliance of the construction and installation of the plumbing system with the approved set of construction documents. The county health department reports compliance and non-compliance issues to the building official for action.

The cost of plumbing inspections contracted through the Trumbull County Health Department for 2022 was \$1,470.

Active Memberships

The City of Warren Building Department is an active member of the International Code Council, Ohio Building Officials Association, National Fire Protection Association, the American Association of Code Enforcement. (AACE), and the Building Officials' Conference of Northeast Ohio. These organizations are dedicated to building safety and fire prevention.

International Code Council

www.iccsafe.org

Ohio Building Officials Association

www.oboa.org

National Fire Protection Association

www.nfpa.org

Building Officials Conference of Northeast Ohio

www.boconeo.org

American Association of Code Enforcement

www.aace1.com

UNSAFE & UNSECURED BUILDINGS

Unsafe and unsecured buildings are an area of importance handled by the Building Division. When the Building Division is notified that a building is in a dangerous state, inspections are made to determine the condition of the building and investigations are made to determine who owns the property.

Registered letters are sent to the owners giving them guidelines and conditions set forth in Article 1323 of the Codified Ordinances of the City of Warren. If nothing has been agreed upon by the owners and this department and time limitations have run out, legal action is pursued to abate the unsafe conditions.

BUILDING OFFICIAL'S RECOMMENDATIONS

The following recommendations are provided on behalf of the Building Department.

The city should continue their efforts to secure grants for the demolition of dangerous and blighted buildings.

The city should adopt a demolition ordinance that holds the contractor and owner fully accountable for the completion of a project. Bonding for the full value the job should be incorporated into the ordinance.

The city should conduct a review of departmental equipment, fee structures, bonding limits, and staffing.



2022 DEMOLITIONS

CDBG Demolitions

The Building Division used funds from the Community Development Department to demolish residential and commercial buildings deemed to be unsafe. A list of the properties that were demolished is provided below. The project was completed by Holton, Inc in the fall for a total cost of \$309,620.

Property	Land Use	Cost	Property	Land Use	Cost
1088 Youngstown Rd SE	Residential	\$11,600	1150 Bingham Ave NW	Residential	\$16,100
1268 MLK Blvd SW	Residential	\$7,200	1283 Main Ave SW	Commercial	\$8,470
157 MLK Blvd SW	Residential	\$9,900	941 Martha Str NE	Residential	\$6,900
485 Olive Ave NE	Residential	\$11,600	2251 Ogden Ave NE	Residential	\$6,900
1382 Palmyra Rd SW	Residential	\$11,400	1757 Palmyra Rd SW	Residential	\$5,000
2784 Viola Ave SW	Residential	\$4,900	2580 Risher Rd SW	Residential	\$7,500
821 Parkman Rd NW	Residential	\$24,800	2644 Viola Ave SW	Residential	\$23,250
430 Charles Ave SE	Residential	\$12,600	1372 Palmyra Rd SW	Residential	\$8,200
195 Griswold St SE	Residential	\$82,100	1551 Homewood Ave SE	Residential	\$10,700
1952 Burton St SE	Commercial	\$24,000	1407 Niles Rd SE	Commercial	\$16,500



2022 DEMOLITIONS

ST. JOSEPH'S RIVERSIDE HOSPITAL DEMOLITION

St. Joseph Riverside Hospital is an abandoned medical center located on Tod Avenue NW in the City of Warren. The facility was built in the 1960's with additions constructed in 1970 and 1980. The hospital was closed in 1996 when HM Health Services assumed ownership of the former Warren General medical center on Eastland and relocated. The facility was purchased in 2003 and briefly housed offices for various entities as Riverside Square.

The property was vacated in 2008. The abandoned building fell into disrepair with years of vandalism and scrapping. The State of Ohio filed suit over the neglected property and sought to require demolition of the site. The Trumbull County Land Bank assumed ownership of the property and applied for grant funds from the Ohio EPA to assist the City of Warren. The city was awarded \$3.4 million dollars to assist with the cost of the demolition in addition to \$2.5 million dollars that is in place for the asbestos removal.

The city entered into a competitively bid contract with ProQuality Demolition in the amount of \$3,755,000 for the project. Work was started in the summer of 2022 and will extend into the spring of 2023. The project specifications and construction oversight are being completed by the Mannick & Smith Group at a cost of \$112,200. The project administration is being completed by the Building and Community Development Departments.

The City of Warren and the Trumbull County Land Bank will be receiving \$5.9 million from the State of Ohio for the environmental remediation and demolition of the former St. Joseph Riverside Hospital on Tod Avenue.



2022 DEMOLITIONS



2022 CONSTRUCTION

Sheetz Gas Station

New Construction

Address: 4013 East Market Street

Construction Valuation: \$2,500,000



2022 CONSTRUCTION

Warren-Tribune Chronicle

Exterior Façade Repair

Address: 444 Mahoning Ave NW

Construction Valuation: \$99,777

General Contractor: Murphey Contracting



Urban Tap and Distillery

Interior Renovation & Sprinkler System

Occupancy Inspection

Construction Valuation: \$50,000

Address: 439 East Market Street

2022 CONSTRUCTION



Downtown Kitchen and Cocktails

Address: 124 North Park Avenue

Building Owner: DDG

Downtown Development Group

Occupancy Inspection

Noodlefun

Address: 176 North Park Avenue

Building Owner: DDG

Downtown Development Group

Occupancy Inspection



United Way

Occupancy Inspection

Address: 295 Harmon Avenue

Relocation of Offices



2022 CONSTRUCTION



M@C Bids

Occupancy Inspection

Address: 1400 Front Street

Clover Recycling

Occupancy Inspection

Address: 1411 West Market Street



2022 CONSTRUCTION



Harding High School Wellness Center

New Construction

Address: 860 Elm Road

Construction Valuation: \$36,000,000

Stericycle

New Construction

Address: 1901 Pine Avenue

Construction Valuation: \$9,000,000



2022 CONSTRUCTION



Steel Warehouse

New Construction

Address: 1401 Pine Avenue

Construction Valuation: \$1,180,000

Healthy Hearts and Paws

New Construction

Address: 909 MLK Blvd

Construction Valuation: \$176,000



2022 CONSTRUCTION

City Hall Restoration

Address: 391 Mahoning Ave. NW

Construction Valuation: \$1,573,710

Architect: Dimit Architects

General Contractor: GreenHeart Construction



2022 CONSTRUCTION



2022 DEMOLITIONS AND REHAB



2022 DEMOLITIONS AND REHAB



The City of Warren issued numerous permits for demolitions and rehabs in the 2022 calendar year.

The Packard Apartments located at 318 Park Avenue will be receiving historic tax credits to rehab the building.



2022 DEMOLITIONS

