CITY OF WARREN, OHIO
ENGINEERING, PLANNING & BUILDING

ANNUAL REPORT
2021

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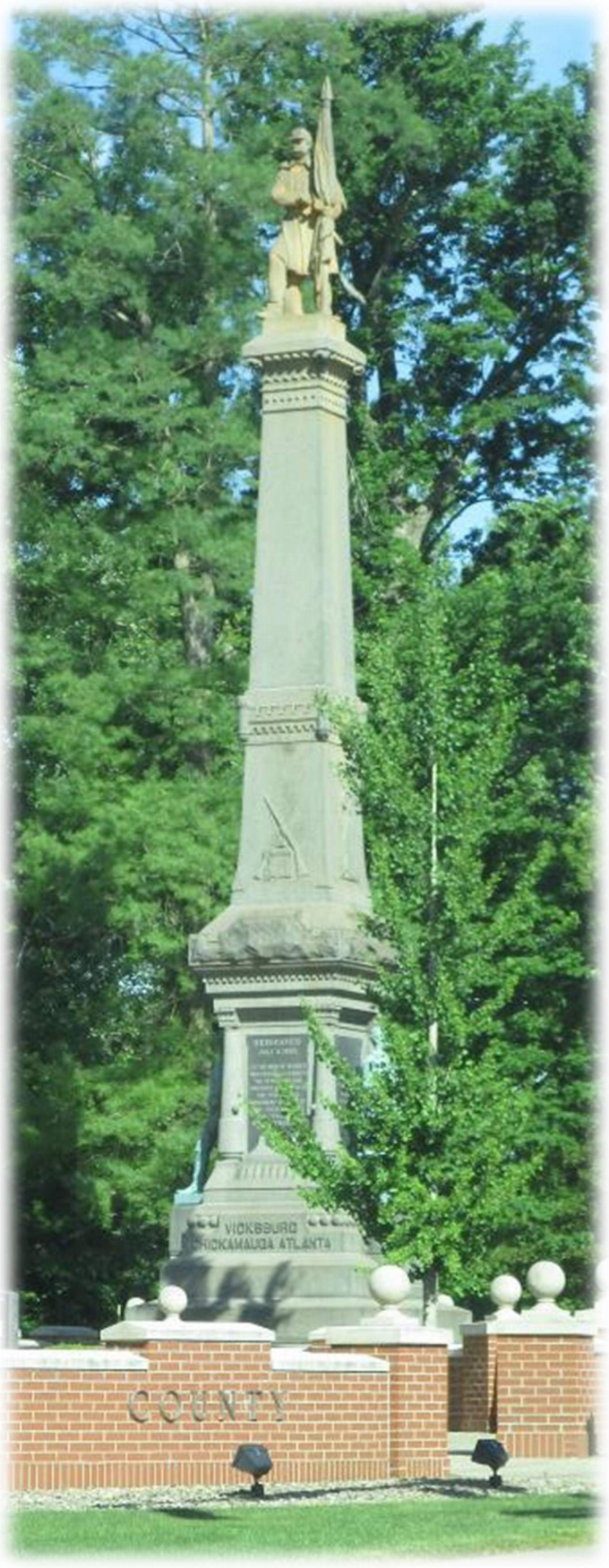

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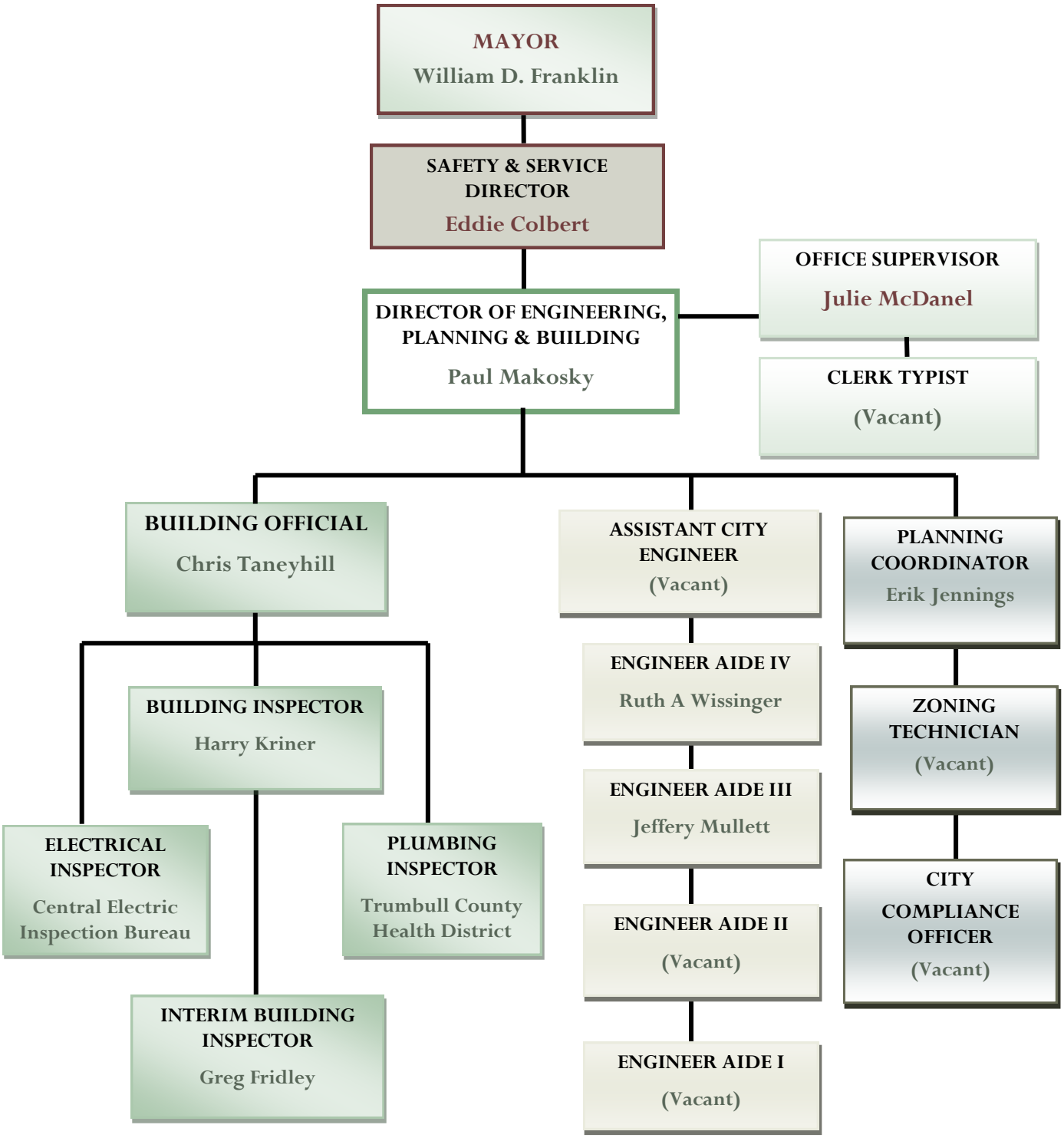
ORGANIZATIONAL CHART

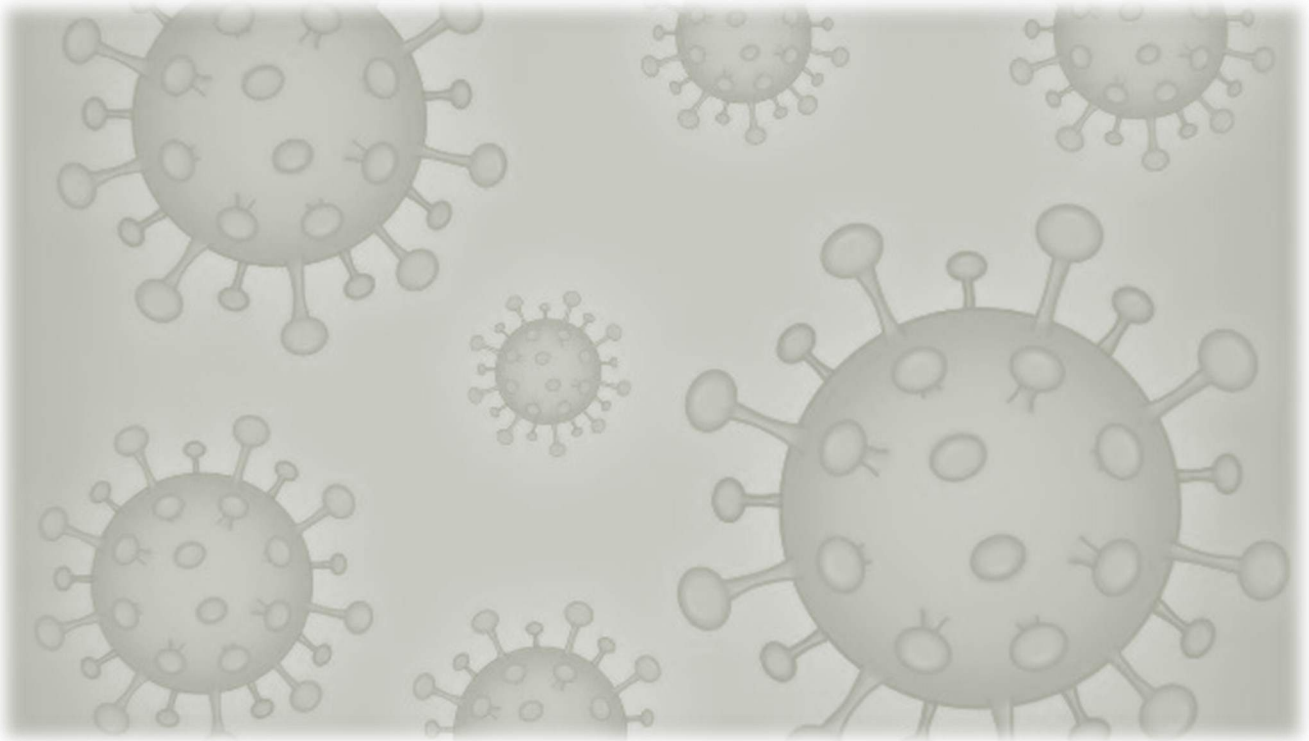


COVID IMPACTS

Coronavirus disease 2019 is a contagious disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The first known case was identified in Wuhan, China in December of 2019. The disease spread worldwide leading to a global pandemic.

The State of Ohio issued stay at home orders and restrictions were imposed on many activities. The City of Warren enacted a series of measures to limit the spread of the virus locally while still providing the services that are essential for each department. All offices were professionally cleaned and disinfected. Policies were implemented to maintain social distancing and masks were provided to all employees. Public meetings and conferences were conducted on line and through telephone.

The City of Warren Engineering, Planning, and Building Department did not accept walk-in customers in the winter and fall months when COVID transmission rates were high. Business was conducted through a drop box located at the primary entrance to the building. New programs were implemented to accept payments and issue permits online. Departmental staff were provided equipment and software to work remotely. Employees were onsite providing a daily presence to coordinate the various communications that were needed to continue providing the departmental services.



VEHICLES REPORT

2021 CHEVROLET MALIBU

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

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

2004 FORD TAURUS

This vehicle is assigned to the department for transportation to and from various meetings and inspections. This vehicle will be sent to the scrap yard.

2002 CHEVROLET MALIBU

This vehicle is assigned to the department for transportation to and from various meetings and inspections. This vehicle is in poor condition.

2002 CHEVROLET MALIBU

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

2002 DODGE CARAVAN

This vehicle is assigned to and used by the Engineering Division to transport personnel and equipment to job sites. This vehicle is in fair condition.

2001 CROWN VICTORIA

This vehicle is assigned to the Planning Coordinator for transportation to and from various meetings and inspections. This vehicle is in poor condition.

DEPARTMENTAL COMPUTER SYSTEM

The Engineering, Planning & Building Department computer system consists of a network server, nine (9) PC workstations, laptops for working at home and six (6) tablets for accessing permits and other information useful to the inspectors who are in the field.

Two (2) of the workstations are equipped with Computer Aided Drafting (CAD) software and ArcMap GIS. These work stations are used by the Engineering Division.

Four (4) workstations and six (6) 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.

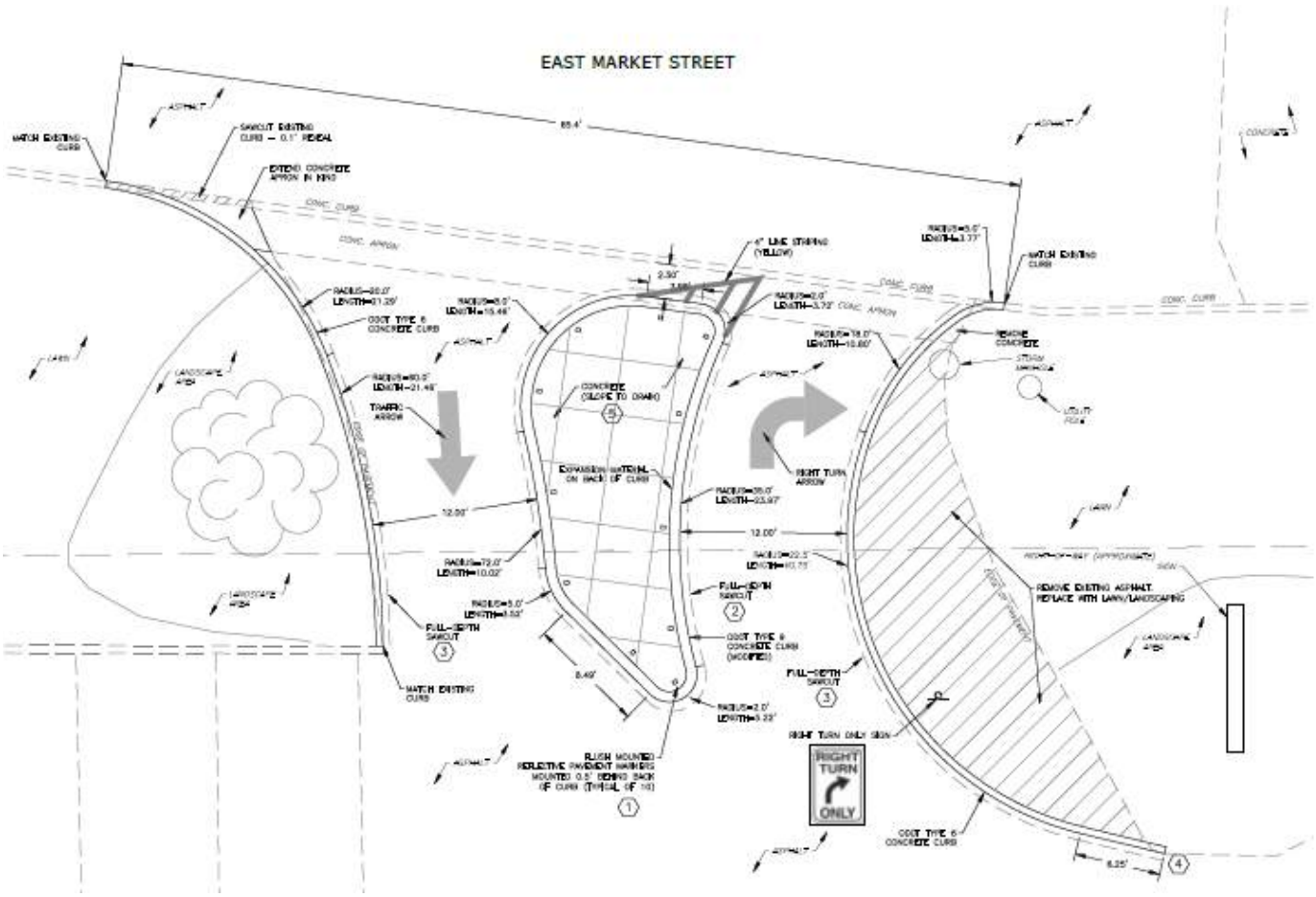
The laptops are programed to link back to the workstations in the office for access to all existing documents.

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.

In 2021, forty two percent of the permits and registrations for the EP&B Department were paid by credit or debit card through the iWorQ Program.


EAST MARKET STREET
RIGHT TURN ONLY

DEERE

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

2021 RIGHT OF WAY PERMITS

BORING	11
CURB CUT	1
DRIVEWAY APPROACH	9
SIDEWALK	6
STORM CONNECTION	1
UTILITY COMPANY PERMIT	15
SANITARY CONNECTIONS	1
SANITARY LATERAL REPAIR	6
TOTAL PERMITS ISSUED	**50**

FEES COLLECTED

TOTAL FEES COLLECTED	**$ 1,125**

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 2021. The project plans were approved and permitted by the Engineering Division.

- 2021 Norwood Estabrook; 11,730 Ft., 178 Serv.
- M & R Station at 1863 Front St SW
- 2021 Reeves Rd; 260 Ft., 0 Services
- 2021 Westover Surrey; 7,829 Ft., 152 Services

The following replacement project is currently under construction. It was permitted in December 2021.

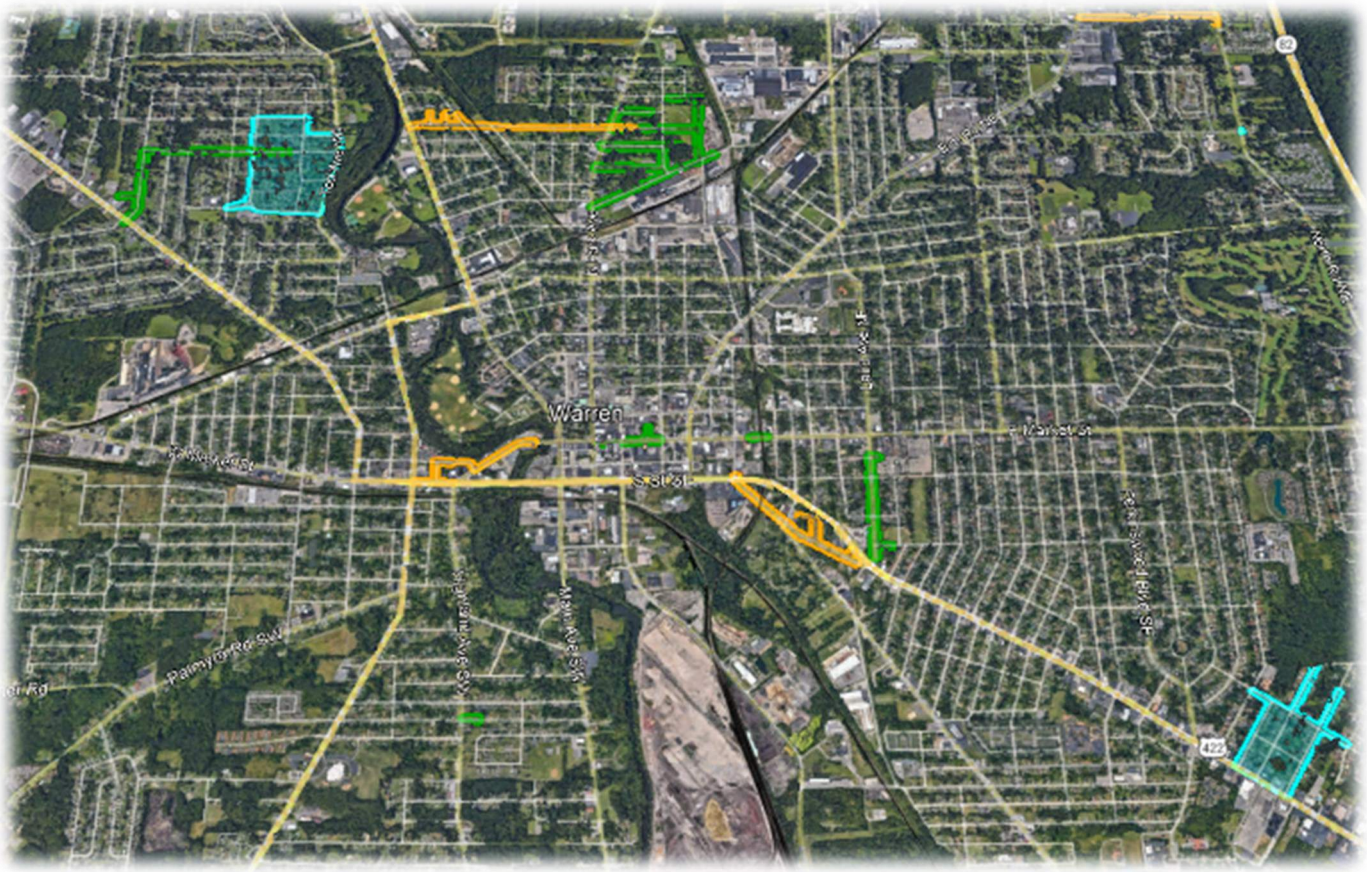
- 2022 Norwood Northfield; 8,388 Ft., 79 Services

DAILY ACTIVITIES

Dominion East Ohio Gas Projects 2022 –2025

Dominion Energy Ohio is planning to complete the following in the City of Warren from 2022 through 2025.

- 2022 E Market St; 1722 Ft., 20 Services
- 2022 E Market Phase 2; 150 Ft., 0 Services
- 2022 Griswold Fremont; 10,561 Ft., 120 Services
- 2022 Highland Fourth St; 273 Ft., 0 Services
- 2022 Laird Ave; 4195 Ft., 49 Services
- 2023 Plaza Ave; 1100 Ft., 9 Services
- 2023 W Market Buckeye; 4,078 Ft., 23 Services
- 2023 Comstock Vernon; 7,437 Ft., 46 Services
- 2023 Youngstown Rd; 7,144 Ft., 63 Services
- 2024 Mahoning Ave; 1,072 Ft., 1
- 2024 Peace Ave; 1,116 Ft., 93 Services
- 2025 Rio Terra St; 607 Ft.



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 2021, Ohio Edison repaired 570 street lights under the City of Warren's service plan by replacing bulbs, refractors, photoelectric cells and ballasts.

Future Ohio Edison Projects

In the summer of 2022, Ohio Edison will pull new high voltage cables through the newly installed ductwork and connect them to the existing equipment. The work should take approximately 3 to 4 weeks.

Ohio Edison will also perform Overhead Connector work in 2022 related to the Water Pollution Control Plant Project which is currently under construction on Main Ave SW.

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.

Ohio Edison Crushed Duct Bank Project

Karvo Companies of Stow, Ohio received a permit for the Crushed Duct Project at Pine Ave and East Market in the Summer of 2021. Karvo Companies was hired by Ohio Edison Underground for the work which consisted of excavating East Market Street, installing the duct work and a new utility manhole, then restoring the pavement and decorative crosswalk according to City standards. The work was completed as scheduled in the summer of 2021.

Backbone to Mahoningside & Ivanhoe

Ohio Edison / First Energy received a permit for the combined underground fiber and overhead aerial wire project in May of 2021.

The project consisted of boring underground fiber and hanging aerial wire from Tod Ave. NW at West Market Street, across Mahoningside Park to the OE substation, along Freeman Street and North Street NW to North Park Ave, and ending at the substation north of Ivanhoe Street NE. The work was completed in the summer of 2021.

Ohio Edison Repair on Chestnut Ave.

In June of 2021 an underground electrical duct bank on Chestnut Ave NE near East Market Street was damaged by a company installing broadband communications fiber along the north side of East Market Street. Electric service for a number of downtown businesses was out until a temporary service was provided. Ohio Edison contracted the permanent repair work to Kenmore Construction Company of Akron, Ohio. The work took several months to complete.

DAILY ACTIVITIES

DAILY ACTIVITIES

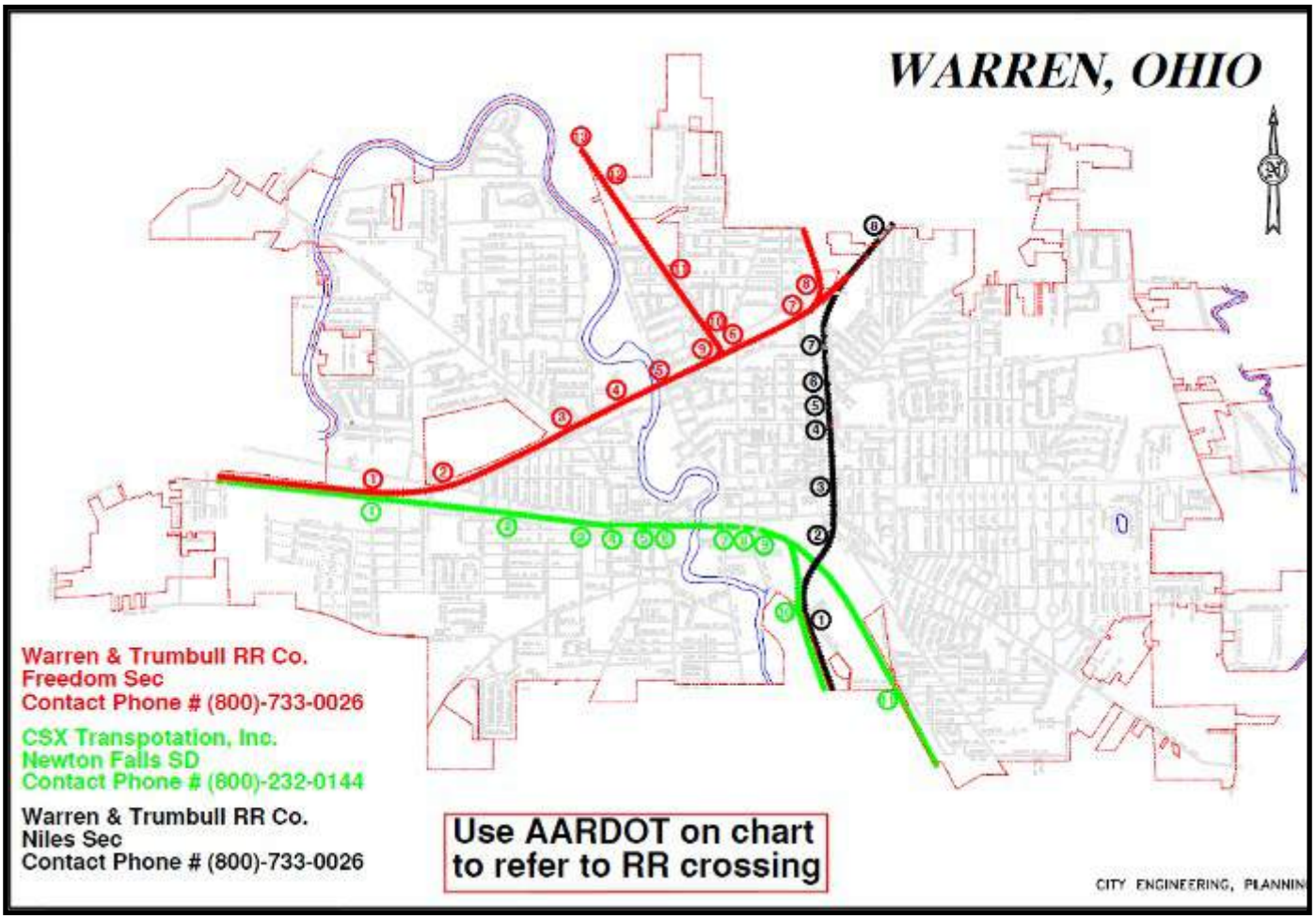
Railroad Crossing Work

The CSX and G&W railroad companies removed tracks and improved at grade crossings throughout the city in 2021.

CSX has removed the tracks for the Newton Falls SD line (shown in green on the attached map). The tracks for the at grade crossings were removed and restored with asphalt.

G&W improved two at grade crossings on the Niles Sec line (shown in black on the attached map). The mat for the crossing at Pine Ave was replaced in March. The crossing at Atlantic Street was replaced in October.

The city has reached out to Valley Partners to discuss the possibility of removing five at grade crossings on the Freedom Sec line (shown in red on the attached map). The line has not been used for over twenty years and there are no prospective industries that will be using the line in the foreseeable future.



DAILY ACTIVITIES

LOCAL MAINTENANCE PROJECTS

Electrical Maintenance Contract

The city renewed the Electrical Maintenance Contract in 2021 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 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 1,500 SY of utility cuts at a cost of $98,625. 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 2021 in the amount of $136,000 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 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, maintaining the tree grates in the central business district, 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 $29,027.

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

2021 Local Maintenance Projects

Project	Work Performed By	Cost
Kinsman House Assessment	Dimit Architects	$3,500
Clinton Street Paving	EverBrite	$15,600
Street Pavement Markings	American Roadway Logistics	$36,272
Stamped Concrete Crosswalk Repairs	Utility Contracting	$4,447
Small Boat Launch Plans and Permits	Cunningham & Associates	$24,150
Packard Park Wall Reconstruction	Lencyk Masonry	$10,480
Guardrail Repair	Shook Company	$17,088
Concrete Drive Approach	Foust Construction	$1,181
Mahoningside Inspection Report	Thomas Fok & Associates	$2,800
Construction Inspection Assistance	Lynn Kittinger & Noble	$10,230
Various Lighting Repairs	Main Lite Electric	$14,381
Gibson Building HVAC Analysis	Phillips Sekanick Architects	$7,800

PROJECT FUNDING SOURCES

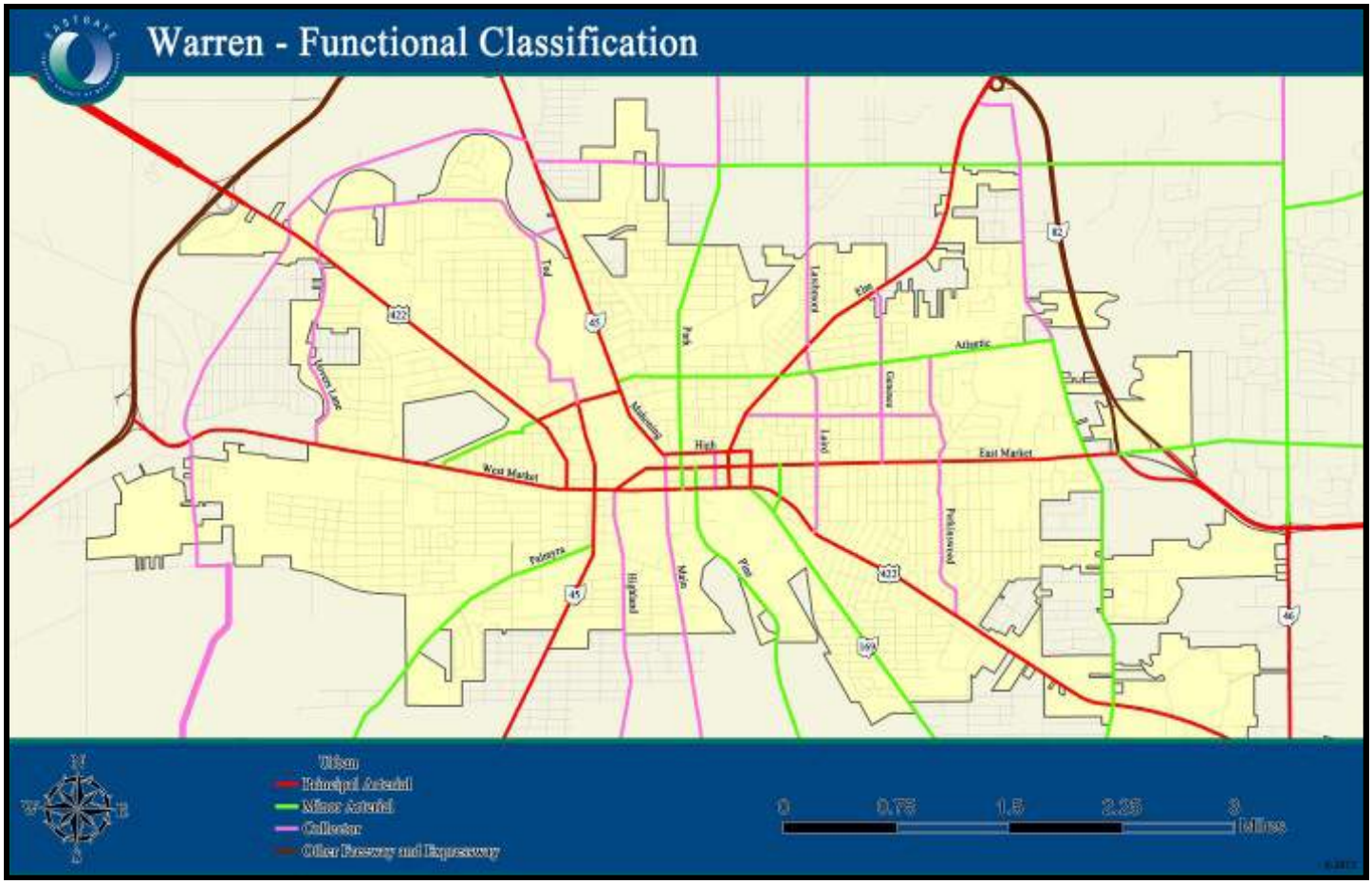
Funding for roadway improvements will usually come from one of the following sources: FHWA - (Federal STP / CMAQ funds), OPWC – (State SCIP / LTIP funds), CDBG – (Federal HUD funds), the vehicle registration permissive tax and City of Warren – (Local funds).

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 $15 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.

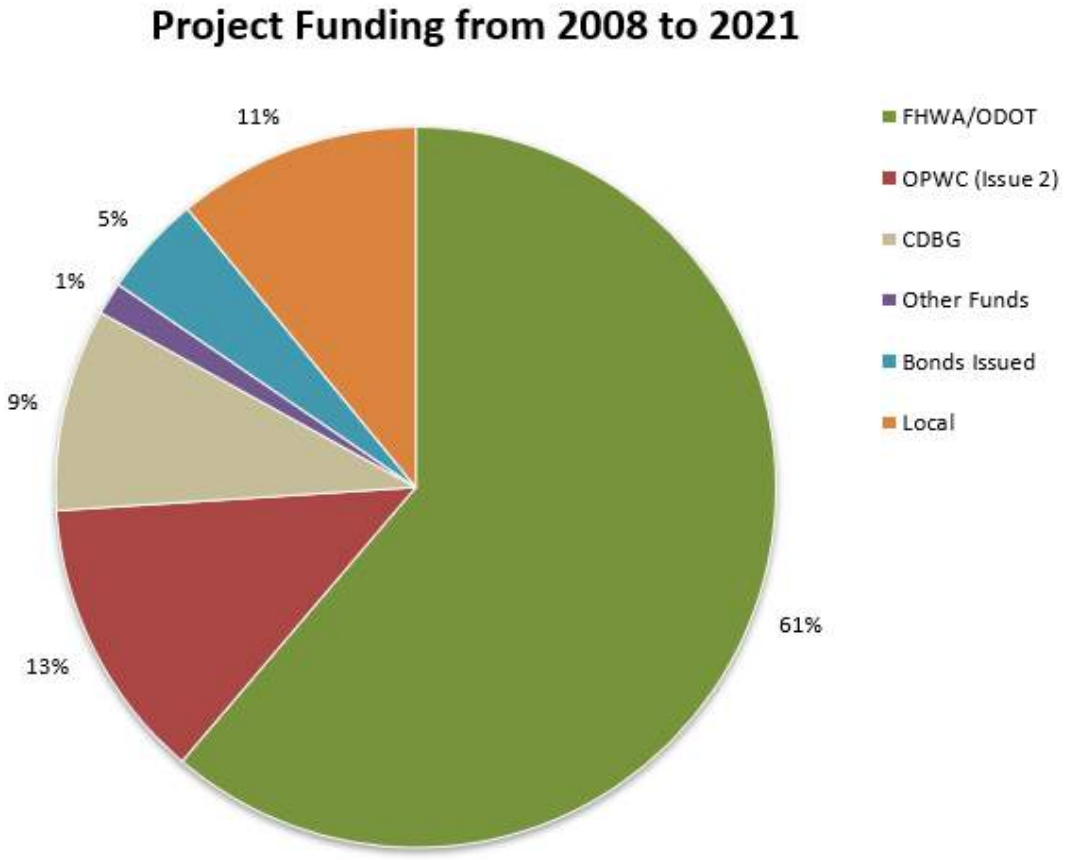
The administration, council, and local officials have made great efforts in planning, programming, funding, and constructing the aforementioned capital improvements. Most of the city's main thoroughfares are in good condition. However, there are still significant investments that are needed for the city's 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

14 YEAR SUMMARY
2008 TO 2021

FHWA/ODOT	$	36,424,158	61.2%
OPWC	$	7,569,447	12.7%
CDBG	$	5,399,160	9.1%
OTHER FUNDS	$	872,133	1.5%
BONDS ISSUED	$	2,703,489	4.5%
LOCAL FUNDS	$	6,505,954	10.9%
TOTAL	$	59,474,341	100%



BUILDING IMPROVEMENT PROJECTS

CITY BUILDING 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 is ongoing. All of the work is being completed in accordance with federal and state historic preservation standards. The project is scheduled for completion in the spring of 2022.

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.

LOCAL PROJECTS

2021 CITY RESURFACING PROJECT

The City of Warren entered into a competitively bid contract with Shelly & Sands, Inc of North Jackson, Ohio for the 2021 City Resurfacing Project. The project scope included milling, resurfacing, manhole and inlet adjustment, tree removals and signage. The streets listed in the chart below consisting of approximately 9.6 miles of roadway were improved.

Construction was completed in the fall of 2021 at a cost of $1,527,501.78.

Street Name	From	To
Clemmens Ave NW	Parkman Rd	Dead End North
Beechcrest St NW	Monticello Ave	Estabrook Ave
Westwood St NW	Drexel Ave	Dead End West
Dodge St NW	Drexel Ave	Dead End West
Clearview St NW	Clemmens Ave	Maxwell Ave
Autumn Dr NW	Linda Dr	Linda Dr
Stephens St NW	Mills Ave	Northwest Blvd
Mills Ave NW	Northwest Blvd	Stephens St
Niblock Ave NW	Parkman Rd	Clearview St
Maxwell Ave NW	Parkman Rd	Dead End North
Linda Dr NW	Autumn Dr	Southern Blvd
Iowa Ave NW	W Market St	McMyler St
Jefferson St. SW	Delaware Ave	Austin Ave
Vermont Ave NW	W Market St	McMyler St
Oriole Place SW	Front St	Oak St
Cranwood Dr SW	Woodview Ave	Hemlock Ave
Hemlock Ave SW	Kenwood Dr	Willow Dr
Pearl St SW	Parkman Rd	Austin Ave
Mahoning Ct NW	Mahoning Ave	Dead End
Vernon Ave NW	North St	Roosevelt St
Ivanhoe St NE	N Park Ave	Dead End
Douglas St NE	N Park Ave	Dead End
Jesse Ave NE	Maryland St	Ivanhoe St
Paige Ave Ext. NE	Griswold St	Dead End
Olive Ave NE	Atlantic St	Bank St
Bank St NE	Vine Ave	Paige Ave
Martha St NE	Larchmont Ave	Brighton Ave
Bonnie Brae Ave NE	Atlantic St	Hollywood St
Edgewood St NE	Laird Ave	Bonnie Brae
Fairmount Ave NE	Sunset Dr	Westview Dr
Fairmount Ave NE	E Market St	Woodland St
Charles Ave NE	McKinley St	High St
Logan Ave. SE	Niles Rd	E Market St

OPWC PROJECTS

2021 OPWC / CDBG ROAD PROJECT

The City of Warren entered into a competitively bid contract with Shelly Company for the 2021 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 2021 at a cost of $980,948.63. OPWC funds covered 54% of the project costs, CDBG funds covered 23% and general fund revenues covered 23%.

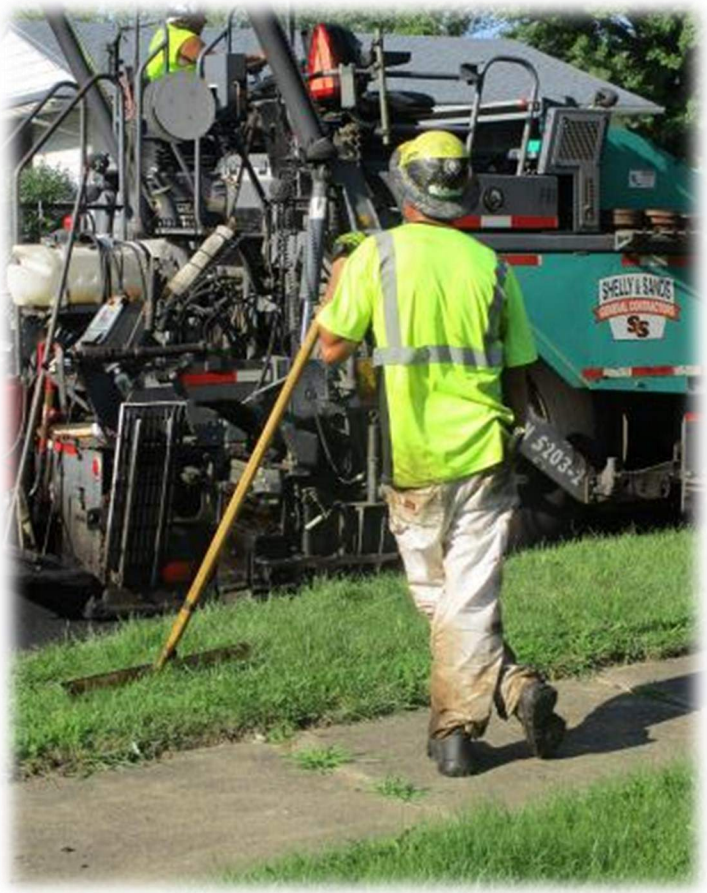
Street Name	From	To
Melwood Dr NE	Fairway Dr	Wildwood Dr
Wildwood Dr NE	Melwood Dr	Melwood Dr
Benton St SE	Niles Rd	Draper St
Duke Ave SE	Draper St	Benton St
Draper St SE	Niles Rd	Duke Ave
Hazelwood Ave SE	E Market St	Youngstown Rd
Monroe St NW	N Park Ave	Mahoning Ave
Summit St NW	Atlantic St	Mahoning Ave
Nevada Ave SW	W Market St	Jackson St
Union St SW	Highland Ave	Dead End
Elm Hill Dr. NW	Olian Ave	Lynwood Dr
Bon Air St NW	Elm Hill Dr	Lynwood Dr
Tanya Ave. NW	Elm Hill Dr	Lynwood Dr
Linda Dr. NW	Parkman Rd	Southern Blvd
N Leavitt Rd NW	Parkman Rd	City Limits

OPWC PROJECTS

2022 OPWC / CDBG Road Program

The 2022 OPWC / CDBG Road Project will resurface the streets listed in the chart to the left. 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 $1,275,000. 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 4.6 miles of roadway will be resurfaced in the summer of 2022.



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

The City of Warren uses local income tax revenues,, license plate fees, gas tax revenues, and federal and state grants to maintain the city's road network.

A well maintained road network is an investment in the community that serves all of the residents and businesses. Good roads create a positive image and makes the City of Warren a better place to live and work.

Road maintenance programs should include paving, pavement striping, guardrail repairs, crack sealing, utility cut repairs, tree and vegetation control, manhole and inlet adjustments, pothole patching, and pavement repairs.

SRTS / FTA PROJECTS

SAFE ROUTES TO SCHOOL SIDEWALKS

In partnership with the Warren City School District, the City of Warren applied for and received funding for a Safe Routes to School (SRTS) sidewalk improvement project. The purpose of Safe Routes to School is to encourage and enable students in grades PK-8 to walk or ride their bicycle to school.

The City of Warren entered into a competitively bid contract with Foust Construction, Inc. of Ohio for the TRU– Warren SRTS Sidewalks. The project scope included replacing sidewalk or installing new sidewalk as directed by the Engineering Division along Fifth St SW, Milton St SE, Tod Ave NW and Atlantic St NE, removing trees and adding curb ramps where needed.

Construction was completed in the fall of 2021 at a cost of $397,996. The project was designed, administered and inspected by the Engineering Division with oversight from ODOT.

Warren Express Sidewalks

The city obtained a grant through the Western Reserve Transit Authority's FTA Program to improve sidewalks and curb ramps in the areas served by the WRTA Warren Express Bus Route. Assessments and estimates have been prepared. Federal Transit Funds will cover 100% of the costs. The project is scheduled for construction in spring or early summer 2022.

ADA law requires local governments to make pedestrian crossings accessible by providing curb ramps. Compliant curb ramps must be installed when streets are being resurfaced.

The City of Warren will be allocating $1 million in 2022 to improve sidewalks. Sidewalk assessments will be made in each ward and the work will be included in the 2022 road program.

FHWA / LOCAL PROJECTS

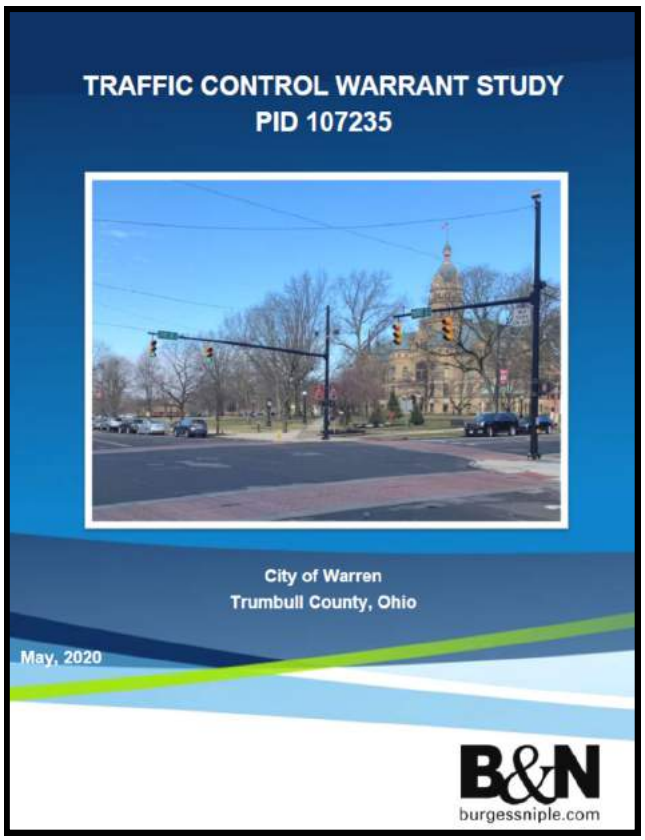
TRAFFIC CONTROL WARRANT STUDY

Burgess & Niple prepared a Traffic Control Warrant Study to evaluate the City of Warren's traffic signal system and all way stop controlled intersections. The purpose of the study is to improve traffic flow and ensure that all traffic control measures are in compliance with the Ohio Manual of Uniform Traffic Devices.

Traffic counts and flow movements were obtained for all of the city's signalized intersections. A warrant analysis was prepared and recommendations were made to remove signals that didn't meet the standard. The signals were placed in flash mode allowing traffic to flow uninterrupted on the main road while stop signs were placed on the lower volume roads. The intersections will be monitored for a period of time before the signal is taken out.

At multi-way stop-controlled intersections, traffic on all approaches to the intersection must come to a stop before traveling through the intersection. Traffic data was obtained and reviewed against the standards of the manual. Where determined to be unwarranted, the stop signs on the major street approaches to these intersections were removed and only side-street traffic is required to stop.

A federal grant covered 100% of the costs associated with reviewing the traffic signal system. Further information about the traffic signal project is provided on page 36 of the annual report. The City of Warren provided the funding for reviewing the all way stop controlled intersections.



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

TRAFFIC COMMISSION LEGISLATION — ORDINANCE 13002 / 21

FOUR WAY STOP — SOUTHERN BLVD / NORTHWEST BLVD

The legislation to make the intersection at Southern Blvd and Northwest Blvd an all way stop controlled intersection was approved by Council in January of 2021.

The City of Warren took a comprehensive look at the city's traffic signal system and all way stop controlled intersections in 2020. A traffic study was completed to ensure that our traffic control measures were compliant with the standards of the *Ohio Manual of Uniform Traffic Control Devices* (OMUTCD). Recommendations were made to remove twenty of the city's sixty-one traffic signals. Recommendations were made to remove stop signs at fifty-nine of the city's seventy-one multi-way stop controlled intersections. The changes were implemented in the fall of 2020.

The engineering department reviewed accident data obtained from the Ohio Department of Public Safety for stop controlled intersections throughout the city. The Southern Boulevard / Northwest Boulevard intersection had forty accidents for the period of time from 2010 to 2020. Most stop controlled intersections in residential areas throughout the city had zero or one accident for the same ten year period. There are no issues concerning roadway geometry or sight distance that have contributed to the high number of accidents. The traffic volumes at the intersection do not warrant an all way stop installation when reviewing the standards listed within the OMUTCD. However, the number of accidents at the intersection could support the installation all way stop signs.

The OMUTCD indicates that multi-way stop control should be considered at intersections where five or more reported crashes in a twelve month have occurred. The 2010 – 2020 accident data for the Southern / Northwest intersection indicates that the five accident threshold was met or exceeded in 2011, 2014, and 2020. Information regarding the accident history at the Southern / Northwest intersection is shown below. The information was reviewed by the City Traffic Commission and a recommendation was made to make the intersection at Southern Blvd and Northwest Blvd an all way stop controlled intersection.

Southern Boulevard / Northwest Boulevard Accidents

2010—2020

Year	Total Crashes	Fatalities	Serious Injuries
2010	3	0	0
2011	6	0	0
2012	4	0	0
2013	1	0	0
2014	5	0	0
2015	2	0	0
2016	3	0	0
2017	3	0	0
2018	3	0	0
2019	4	0	0
2020	6	0	6
Grand Total	**40**	**0**	**6**

TRAFFIC COMMISSION LEGISLATION — ORDINANCE 13052 / 21

The legislation to amend the city traffic control map for the following areas was approved by Council in September of 2021.

TWO WAY STOP — HAZELWOOD AVENUE / BELLE STREET

The intersection at Hazelwood Avenue and Belle Street was a four way stop controlled intersection that was overlooked when the city completed the traffic control warrant study in 2020. Traffic counts at the intersection were reviewed and a recommendation to remove the stop signs on Hazelwood Avenue and retain the stop signs on Belle Street was approved by the City Traffic Commission.

ONE WAY STOP — LOVELESS AVENUE / VICTORIA STREET

The intersection at Loveless Avenue and Victoria Street was a two way stop controlled intersection that was overlooked when the city completed the traffic control warrant study in 2020. Traffic counts at the intersection were reviewed and a recommendation to remove the stop signs on Loveless Avenue and retain the stop sign on Victoria Street was approved by the City Traffic Commission.

ONE WAY TRAFFIC—NORTH AND SOUTH FEDERLE

The Trumbull Metropolitan Housing Authority (TMHA) requested approval to widen North and South Feederle from eighteen feet to twenty-four feet. Residents were parking illegally on the street and the existing road width was too narrow to accommodate two-way traffic. TMHA has offered to cover the costs of the road widening and has proposed to allow on street parking through the Trumbull Homes Development. Two-way traffic will be eliminated and one-way traffic that moves clockwise through North & South Feederle will be the new order. TMHA has also proposed to widen Transylvania Street, Roman Street, E. Thomas Road, and Carolina Avenue from eighteen to twenty four feet allowing on street parking. Two-way traffic will be maintained on the streets.

GRISWOLD STREET EXTENSION SPEED LIMIT

Griswold Street Extension is a county route located in Howland Township that abuts City of Warren property. The legal speed limit of county routes is 55 mph unless a traffic engineering study determines the speed limit should be lowered. The Trumbull County Engineer's Office prepared a speed study for Griswold Street Extension and proposed lowering the speed limit from 55 mph to 45 mph. The city agreed with the county's recommendations. Representatives from the Ohio Department of Transportation reviewed the study and recommended lowering the speed limit to 40 mph. The recommendations of the state were reviewed and accepted by Trumbull County and the City of Warren in February of 2022.

CITY OF WARREN
2021 CRASH DATA

Year	Total Crashes	Fatalities	Serious Injuries
2021	793	6	28
Grand Total	**793**	**6**	**28**

5 FATAL CRASHES / 6 FATALITIES

64 ALCOHOL RELATED ACCIDENTS

19 DRUG RELATED ACCIDENTS

4 ACCIDENTS INVOLVING PEDESTRIANS

3 ACCIDENTS INVOLVING BICYCLES

8 ACCIDENTS INVOLVING MOTORCYCLES

164 ACCIDENTS INVOVLING SENIOR DRIVER (AGE 65+)

246 ACCIDENTS INVOVLING YOUNG DRIVER (AGE 15 TO 25)

Total Crashes Crash Type	Injury Level Fatal	Serious Injury	Minor Injury	Injury Possible	PDO No Injury	Grand Total
Angle	1	3	35	30	108	177
Rear End	0	3	27	25	118	173
Fixed Object	2	8	23	26	79	138
Sideswipe - Passing	0	2	8	4	59	73
Backing	0	0	1	1	52	54
Parked Vehicle	0	1	5	3	40	49
Left Turn	0	1	7	13	24	45
Right Turn	0	0	3	5	27	35
Head On	0	2	4	2	10	18
Animal	0	0	0	1	9	10
Other Non-Collision	0	0	0	1	4	5
Unknown	1	0	0	0	3	4
Pedestrian	0	2	1	1	0	4
Other Object	0	0	0	0	4	4
Pedalcycles	1	1	1	0	0	3
Overturning	0	0	0	1	0	1
Grand Total	**5**	**23**	**115**	**113**	**537**	**793**

FUTURE FHWA / ODOT PROJECTS

TRAFFIC SIGNAL EVALUATION & UPGRADE

The project consists of conducting traffic counts and signal warrants for the city's sixty one traffic signals, upgrading vehicle detection, calculating and implementing signal timings, establishing communication within the signal system, installing a server to operate and monitor the system, and removing unwarranted signals.

Burgess & Niple was hired to complete the signal assessments and design work. The value of the contract is $260,738. The engineering design is complete.

The estimated cost of the project is $1,372,500. Federal CMAQ funds will cover 100% of the project engineering and construction costs. Construction is scheduled for 2022.

SAFE ROUTES TO SCHOOL SIGNALS

The second 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 up to $250,000.

Burgess & Niple has completed the engineering design.

The SRTS School Zone Signals Project will be constructed in conjunction with the Traffic Signal Upgrade Project in 2022.

RESERVE AVENUE BRIDGES

The project will rehabilitate two bridges located on Reserve Avenue.

The estimated construction cost is $1,680,000. Federal funds will cover 80% of the cost ($1,344,000) and the city obtained an OPWC grant to cover the 20% ($336,000) local share. The project is scheduled for construction in the spring of 2022.

The engineering design work valued at $146,288 is presently under contract with MS Consultants.

The Reserve Avenue Bridges Project will require permits from two railroad companies. The cost associated with obtaining the permits is $100,000. The city has allocated funds for the permits and will process the needed RR agreements in 2021/2022. The city will seek reimbursement of the RR permit costs as grant funds allow.

TRU- WARREN BOULEVARD PROJECT

The project includes the removal and replacement of deteriorated sections of concrete on Warren Blvd. SE between Chestnut Ave and Columbia Place. Minor bridge work will include concrete sealing and waterproofing. The estimated cost of the project is $555,000. The project costs will be covered by the ODOT ($400,000), the OPWC ($100,000), and the City of Warren($55,000). The project is scheduled for construction in the spring of 2022.

FUTURE ROAD IMPROVEMENT PROJECTS

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

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

FUTURE FHWA / ODOT PROJECTS

ODNR PROJECT

Quinby Park Shelter House

The City of Warren was awarded an ODNR NatureWorks Grant to restore the shelter house by reinstalling windows and doors on the east and west sides of the building.

A contract in the amount of $37,973 was awarded to Northstar Contracting for the installation of glass block windows at the Quinby Park Shelter House. An ODNR grant coverd 75% of the project cost and CDBG funds covered the balance. The construction was completed in 2021. The architectural services for the project design and construction oversight were provided by Baker, Bednar, Snyder & Associates without any costs to the City of Warren.

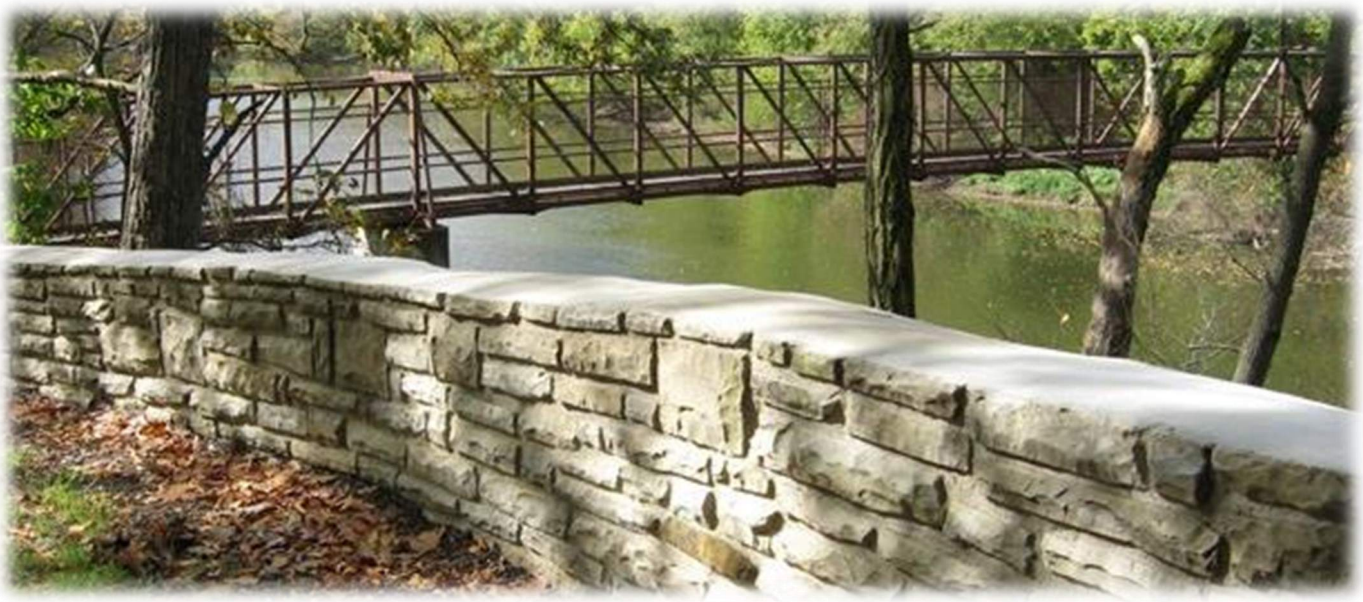
ODNR / CMAQ PROJECTS

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 will cover the 100% of the construction cost up to $74,118. Local CDBG funds will cover the balance. The project will be completed in 2022.

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. Preliminary reports prepared for the removal of the Summit Street Dam have indicated that the Mahoningside property may be needed for staging and access to the dam and river. The access plan for the dam removal may be in conflict with the improvements that were planned in the Mahoningside project. The information has been sent to the state for review and comment. The city will request 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. Pre-grant award work is completed and the actual dam and sediment removal will be completed in 2022/23.

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 will be obtained in 2022 through the OEPA Water Pollution Control Loan Fund (WPCLF). A project sponsor will be able to 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. The city and their criteria engineer will seek a sponsor in the spring 2022 before proceeding to the design build stage of the project. The city will solicit proposals of an experienced team of consultants and contractors to plan and complete the required tasks for the dam and sediment removal, clean up and restoration.

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

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.

DAILY ACTIVITIES

Board of Zoning Appeals Variances

VAR-21-01 1805 Parkman Rd. N.W.

A variance request to build an addition to the existing commercial building in the front setback area was approved.

VAR-21-02 288 Atlantic St. N.W.

A conditional use variance to operate an automotive shop in the garage of an RB zoned property was approved with the provision that work will only take place from the hours of 8am to 5pm Monday through Saturday.

VAR-21-03 736 Kenmore St. S.E.

A variance was granted to extend a porch into the front setback of a residential property.

VAR-21-04 1401 Moncrest Dr. N.W.

A **c**onditional use variance to allow an Adult Day Care Facility in an RA zoned district was approved.

VAR-21-05 3855 East Market St. N.E.

A variance to construct a non-illuminated monument sign that exceeds the maximum size requirements was approved.

VAR-21-06 542 Hillsdale Dr. N.W.

A variance was granted to construct a 60ft. drive approach in a RA zone.

New Addresses

No new addresses were issued in 2021.

Planning And Platting Commission Annexations and Zone Changes

PL-21-01 986 North Rd. Parcel No. 28-567250
The annexation of the referenced property from Howland Township in to the City of Warren was approved. The property is adjacent to a funeral home and crematorium that previously annexed into the city.

PL-21-02 Lot 27A in the Glenwood Allotment
A zone change request of the referenced parcel from Residential A to Commercial B was approved.

PL-21-03 3919, 3921, and 4013 East Market St
A request for a zone change from Commercial A. to Commercial B for the construction of a new gas station was approved

PL-21-04 710 Highland Ave S.W.

A request for a zone change from Residential A to Commercial B for an existing convenient store was approved.

Zoning Enforcement

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

- **44 Signs were removed and discarded from utility poles and right of ways.**
- **211 vehicle citations warnings were issued. 7 vehicles were towed.**
- **There were 6 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.**

CITY STATISTICS

Parks & Recreation

Name of Park	Acreage
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.

CITY STATISTICS

2021 STATISTICS

Sanitary Sewers		
Total Sanitary Sewers	202.15	miles*

* 1.513 miles of this is maintained by and permits are issued by Trumbull County

Storm Sewers		
Total Storm Sewers	123.394	miles

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 currently has 60 Traffic Signals

In 2022, there will be 40 Traffic Signals in operation.

The Population of the City of Warren is

39,201

US Census April 2020

Latitude 41° 14' 10"

Longitude 80° 49' 10"

In Courthouse Park, Warren, Ohio

2020 US CENSUS

Overall Timeline

The Census Bureau completed its survey in 2020, but because of COVID-19 delays did not complete processing the data until September 2021.

In September 2021, the Census Bureau delivered the final redistricting data toolkit to all states and the public. This included digital tools which provided access to an integrated software browsing tool for official recipients, as well access to the online Data Explorer tool for both official recipients and the public.

U.S. Census Data	Warren City, Ohio	Trumbull County, Ohio	Ohio	United States
Population				
Population, Census, April 1, 2020	39,201	201,977	11,799,448	331,449,281
Population, Census, April 1, 2010	41,557	210,312	11,536,504	308,745,538
Population, percent change - 2010 to 2020	-5.7%	-4.0%	2.3%	7.4%
Age and Sex				
Persons under 5 years, percent	6.40%	5.30%	5.90%	6.00%
Persons under 18 years, percent	22.50%	20.30%	22.10%	22.30%
Persons 65 years and over, percent	17.40%	22.10%	17.50%	16.50%
Female persons, percent	50.60%	51.20%	51.00%	50.80%
Race and Hispanic Origin				
White alone, percent	68.10%	88.40%	81.70%	76.30%
Black or African American alone, percent(a)	26.80%	8.60%	13.10%	13.40%
American Indian and Alaska Native alone, percent(a)	0.20%	0.20%	0.30%	1.30%
Asian alone, percent(a)	0.40%	0.60%	2.50%	5.90%
Native Hawaiian and Other Pacific Islander alone, percent(a)	0.00%	Z	0.10%	0.20%
Two or More Races, percent	4.30%	2.20%	2.40%	2.80%
Hispanic or Latino, percent(b)	3.30%	1.90%	4.00%	18.50%
White alone, not Hispanic or Latino, percent	66.20%	86.90%	78.40%	60.10%
Population Characteristics				
Veterans, 2015-2019	2,815	15,654	709,287	18,230,322
Foreign born persons, percent, 2015-2019	1.40%	1.60%	4.60%	13.60%
Housing				
Housing units, July 1, 2019, (V2019)	X	95,617	5,232,869	139,684,244
Owner-occupied housing unit rate, 2015-2019	50.00%	70.60%	66.10%	64.00%
Median value of owner-occupied housing units, 2015-2019	$62,100	$102,600	$145,700	$217,500
Median selected monthly owner costs -with a mortgage, 2015-2019	$840	$1,022	$1,282	$1,595
Median selected monthly owner costs -without a mortgage, 2015-2019	$343	$410	$479	$500
Median gross rent, 2015-2019	$660	$677	$808	$1,062
Building permits, 2020	X	105	29,686	1,471,141

2020 US CENSUS

American Community Survey

Each year, the Census Bureau also releases estimates from the American Community Survey. This survey supplements the census by providing information on more than 40 topics including education, income, health insurance coverage, commute times, occupations, and languages spoken at home.

U.S. Census Data	Warren City, Ohio	Trumbull County, Ohio	Ohio	United States
Families & Living Arrangements				
Households, 2015-2019	16,933	85,621	4,676,358	120,756,048
Persons per household, 2015-2019	2.18	2.3	2.43	2.62
Living in same house 1 year ago, percent of persons age 1 year+, 2015-2019	86.40%	90.50%	85.30%	85.80%
Language other than English spoken at home, percent of persons age 5 years+, 2015-2019	3.60%	4.90%	7.20%	21.60%
Computer and Internet Use				
Households with a computer, percent, 2015-2019	81.50%	85.30%	89.10%	90.30%
Households with a broadband Internet subscription, percent, 2015-2019	70.90%	76.80%	82.00%	82.70%
Education				
High school graduate or higher, percent of persons age 25 years+, 2015-2019	86.60%	89.40%	90.40%	88.00%
Bachelor's degree or higher, percent of persons age 25 years+, 2015-2019	14.00%	18.70%	28.30%	32.10%
Health				
With a disability, under age 65 years, percent, 2015-2019	15.00%	10.40%	10.00%	8.60%
Persons without health insurance, under age 65 years, percent	8.90%	8.90%	7.80%	10.20%
Transportation				
Mean travel time to work (minutes), workers age 16 years+, 2015-2019	21.1	23.3	23.7	26.9
Income & Poverty				
Median household income (in 2019 dollars), 2015-2019	$28,898	$47,280	$56,602	$62,843
Per capita income in past 12 months (in 2019 dollars), 2015-2019	$19,101	$26,935	$31,552	$34,103
Persons in poverty, percent	35.00%	15.80%	12.60%	11.40%
Geography				
Population per square mile, 2010	2,576.80	340.1	282.3	87.4
Land area in square miles, 2010	16.13	618.3	40,860.69	3,531,905.43

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 will provide feedback to the county on draft versions of the plan and provide information as needed.

The comprehensive plan will include maps, charts, and text that analyzes trends. A review of the zoning and land use will be completed. Recommendations for the growth and development of the community will be included. The City of Warren's last comprehensive plan was completed in 1960.

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 will be completed in 2022.

The City of Warren Comprehensive Plan will be completed and presented to the public in 2022.

PLANNING DIVISION RECOMMENDATIONS

The City of Warren worked diligently with the Poggemeyer Design Group to create the city's community plan and revitalization strategy. "Rightsizing" was the term used to describe the overall recommendation.

The City of Warren must take steps to scale down its infrastructure, budget, and amenities to a size that will allow the City to regain a functioning economy and healthy neighborhoods.

The City's image needs to be enhanced with its residents, as well as with outsiders, and the image needs to reflect a smaller and more environmentally-enhanced community.

There are general strategies that apply to the city as a whole and recommendations that should be addressed by the administration, city council, and the various applicable city departments. The citywide plan outlines strategies for:

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

The plan may be viewed in it's entirety on the City of Warren's website at www.warren.org.

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.

2021 PERMIT SUMMARY

COMMERCIAL PERMITS

BUILDING	105
DEMOLITIONS	3
ELECTRICAL	46
PLUMBING	16
HVAC	23
TOTAL COMMERCIAL PERMITS	**193**

Permit Fees Collected	$144,961.79
State Accessment Fees Collected	$3,771.70

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

RESIDENTIAL PERMITS

BUILDING	330
DEMOLITIONS	40
ELECTRICAL	191
PLUMBING	31
HVAC	120
TOTAL RESIDENTIAL PERMITS	**712**

Permit Fees Collected	$54,870.08
State Accessment Fees Collected	$564.76

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

Total City Building Fees

$199,831.87

Total State Fees Collected

$4,336.46

CONTRACTOR REGISTRATION

CONTRACTORS REGISTERED	312
Registration Fees Collected	$42,925.00

Total City Fees Collected (Permits and Registration)

$242,756.87

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.

Three hundred and twelve (312) general, electrical, H.V.A.C., plumbing and demolition contractors were registered to work in the City of Warren in 2021. The resulting registration fees brought $42,925.00 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.

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.

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 building inspector certification

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 2021 was $23,660.

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 2021 was $7,475.

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 2021 was $1,120.

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.

The web addresses for the above organizations are as follows:

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

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.

2021 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 along with the low bidder and demolition cost.

Property	Land Use	Contractor	Demolition Cost
659 Comstock St NW	Residential	Holton, Inc	$133,500
2027 Hamilton St SW	Residential		
415 Idylwild St NE	Residential		
453 Idylwild St NE	Residential		
444 Iowa Ave NW	Residential		
659 Lener Ave SW	Residential		
1704 Oak St SW	Residential		
258 Ohio Ave NW	Residential		
717 / 777 Mahoning Ave NW	Commercial		
2734 Youngstown Rd SE	Commercial		
561 South St SW	Commercial		

2021 CONSTRUCTION

Aldi

Interior Improvements

Address: 2774 Parkman Rd NW

Construction Valuation: $516,000

Flying High Development

Interior Improvements / Occupancy

Address: 237 Main Ave SW

Elm Road Drive In Theatre

Concession Stand Expansion

Address: 1895 Elm Rd NE

Construction Valuation: $100,000

2021 CONSTRUCTION

Warren-Trumbull County Public Library

Building Addition / Interior Improvements

Address: 444 Mahoning Ave NW

Construction Valuation: $4,738,600

General Contractor: VendRick Construction

2021 CONSTRUCTION

City Hall Restoration

Address: 391 Mahoning Ave. NW

Construction Valuation: $1,573,710

Architect: Dimit Architects

General Contractor: GreenHeart Construction

2022 DEMOLITION

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 in the environmental remediation and demolition of the former hospital. The facility is scheduled for demolition in 2022.

The City of Warren and the Trumbull County Land Bank will be receiving $3.4 million from the State of Ohio for the environmental remediation and demolition of the former St. Joseph Riverside Hospital on Tod Avenue.

2021 Construction