

**Engineering, Planning & Building
Department**

2020 ANNUAL REPORT





Reserve Avenue Bridges Project—Scheduled in 2022



Warren Boulevard Project—Scheduled in 2022



Above photo: Water Tower Painting by Water Dept.
 Cover photo: TRU—East Market Street Project
 Photos Opposite: Programmed Projects 2022

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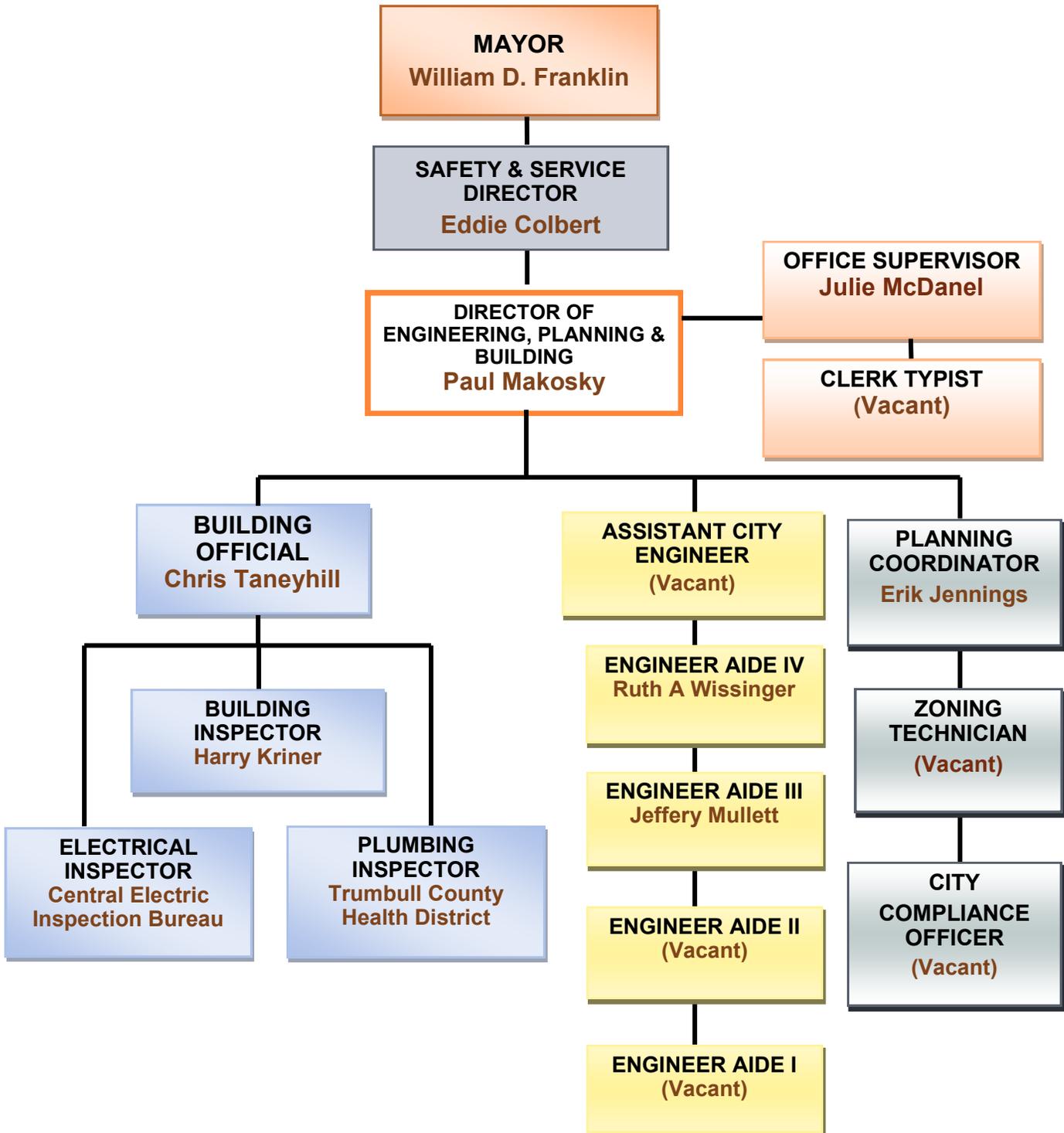
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Organizational Chart



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 out of the office.

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 programmed to link back to the workstations in the office for access to all existing documents.

iWorks Permit Program

The Engineering, Planning and Building Department purchased the iWorq Permit Program in 2020. 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.

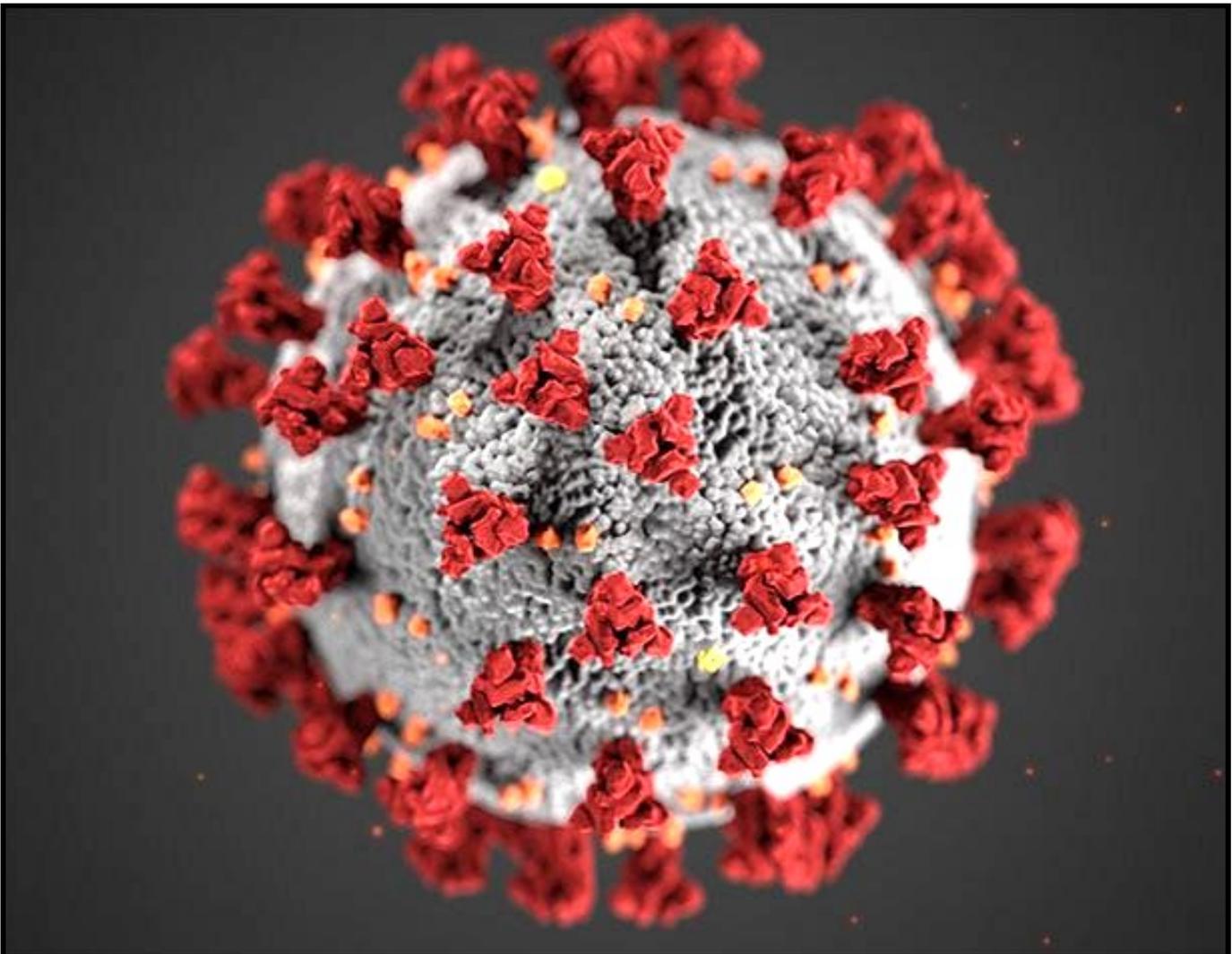


Engineering, Planning, & Building Department Impacts of COVID-19

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 from March 2020 through the end of the calendar year. 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.



2020 Annual Report

ENGINEERING DIVISION



TRU-East Market St

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



2020 RIGHT OF WAY PERMITS

BORING	1
DITCH PIPE INSTALLATION	1
DOWNSPOUT	1
DRIVEWAY APPROACH	11
EXCAVATION	2
SIDEWALK	4
UTILITY COMPANY PERMIT	123
SANITARY CONNECTIONS	5
SANITARY INSPECTIONS	5
SANITARY LATERAL REPAIR	2
TOTAL PERMITS ISSUED	155

FEES COLLECTED

RIGHT OF WAY PERMITS	\$ 550
SANITARY CONNECTION	\$ 2,400
SANITARY INSPECTIONS	\$ 375
TOTAL FEES COLLECTED	\$ 3,325

Right of Way Permits 2010 - 2019

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2010 - 2019
Right of Way Permits	80	172	247	255	235	77	65	66	109	85	139
Permit Fees	\$17,525	\$58,522	\$49,933	\$8,875	\$9,325	\$3,750	\$3,100	\$4,592	\$3,600	\$3,125	\$16,235

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 2020. The cumulative valuation of the projects was an estimated \$5,236,600. The project plans were approved and permitted by the Engineering Division.

- Belvedere South; 4,961 Ft; 61 Services
- Oak Nevada; 12,898 Ft; 271 Services
- East Market Street; 3,561 Ft; 66 Services
- Westover Surrey; 7,829 Ft; 152 Services

Dominion is planning to complete the following replacement projects in the City of Warren from 2021 through 2023.

- 2021 TRU—E Market St; 1175 Ft., 23 Services
- 2021 North Rd; 200 Ft., 0 Services
- 2021 Norwood Estabrook; 11,730 Ft., 178 Serv.
- 2021 Norwood; 2,657 Ft., 0 Services
- 2021 Northfield Ave; 3,457 Ft., 44 Services
- 2021 E Market Phase 2; 150 Ft., 0 Services
- 2021 Reeves Rd; 260 Ft., 0 Services
- 2021 Westover Surrey; 7,829 Ft., 152 Services
- 2022 Griswold Fremont; 10,561 Ft., 120 Services
- 2022 Highland Fourth St; 273 Ft., 0 Services
- 2022 Laird Ave; 419 Ft., 49 Services
- 2022 Plaza Ave; 1100 Ft., 9 Services
- 2022 Rio Terra St; 607 Ft., 22 Services
- 2022 S Park Ave; 1172 Ft., 5 Services
- 2023 Griswold Bronze Rd; 1254 Ft., 1 Service
- 2023 W Market Buckeye; 4,078 Ft., 23 Services
- 2023 Comstock Vernon; 7,437 Ft., 46 Services



Daily Activities

Ohio Edison Street Lights

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 2020, Ohio Edison repaired 890 street lights in the city by replacing bulbs, refractors, photoelectric cells and ballasts.



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



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 1,355 SY of utility cuts at a cost of \$89,117. The project was funded through the water department. Bidding documents and project specifications were provided by the engineering division.

Local Maintenance Projects

Electrical Maintenance Contract

The city awarded the Electrical Maintenance Contract in the amount of \$166,000 to 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.



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, and maintaining the tree grates and mulch beds in the central business district. The collective cost of the work was \$11,205.

Street Sweeping Contract

A street sweeping contract in the amount of \$136,000 was awarded to 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.



Local Maintenance Projects

Street Sign Projects

The City of Warren and WRTA installed bus route signs for new routes that were being extended throughout the city. The city hired Cleveland Barricading Systems at a cost of \$21,835 to install the signs. WRTA provided the signs and committed \$10,000 towards the project.

The city hired American Roadway Logistics at a cost of \$11,388 to install and remove stop signs that were impacted by the Traffic Warrant Study. The study recommended the installation of stop signs at twenty one signalized intersections and the removal of stop signs at fifty nine intersections.



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.

2020 Local Maintenance Projects

Project	Work Performed By	Cost
Stop Controlled Intersection Study	Burgess & Niple	\$7,900
Mahoningside Retaining Wall Report	Thomas Fok & Associates	\$2,800
Summit Street Dam WRRSP Application	MS Consultants	\$6,200
Palmyra Road Fire Station Assessment	Baker, Bednar, Snyder & Associates	\$5,000
Mahoningside Change of Land Use	Environmental Design Group	\$3,500
Enterprise Park Plan Review	Burgess & Niple	\$6,500
Guardrail Repair	Shook Company	\$7,960
Downtown Parking Stall Markings	American Roadway Logistics	\$3,547
Roof Replacement at EP&B Department	Five Star Roofing	\$40,999
Southern Boulevard Sidewalks	Parella Pannunzio	\$5,250

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).

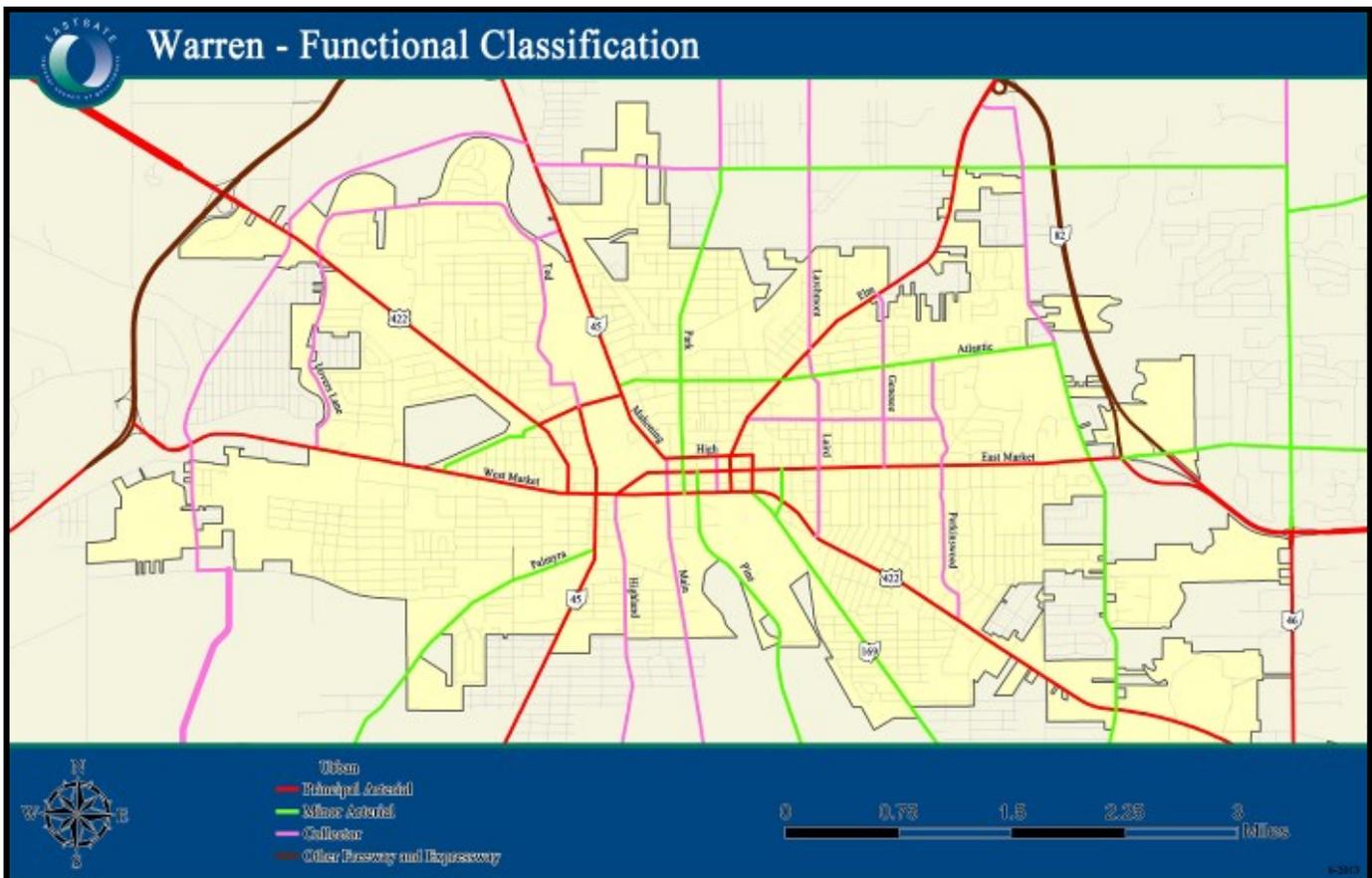
Federal Highway Administration

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.



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

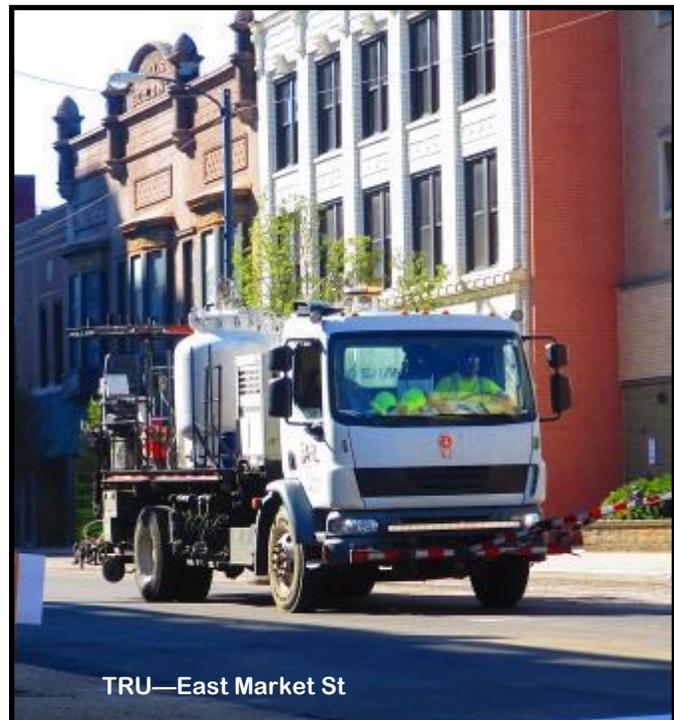
In July of 2019, the State of Ohio increased the state gas tax. Ohio motorists now pay an additional 10.5¢ per gallon bringing the total state gas tax up to 38.5¢ per gallon. Lawmakers in the Ohio General Assembly passed the increase in an effort to improve the roads throughout the state. Municipalities 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.



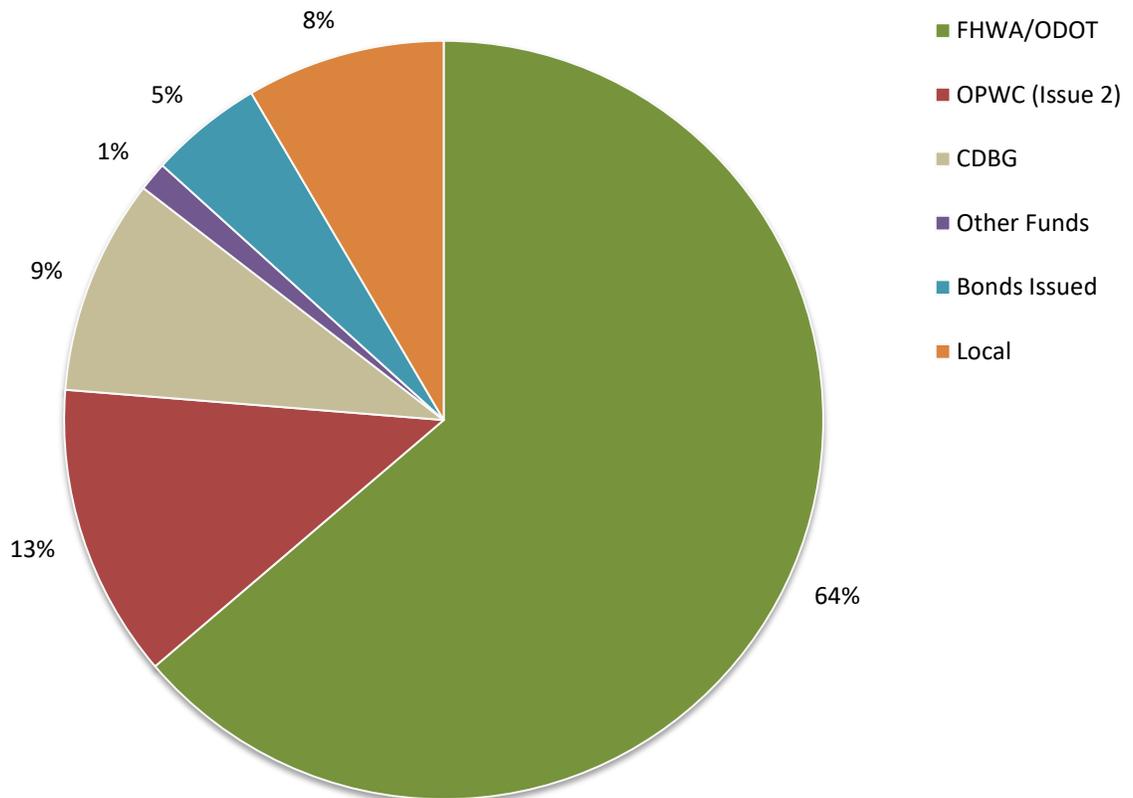
TRU—East Market St

Project Funding Sources

13 YEAR SUMMARY 2008 TO 2020

FHWA/ODOT	\$ 35,696,893	63.7%
OPWC	\$ 7,012,234	12.5%
CDBG	\$ 5,151,568	9.2%
OTHER FUNDS	\$ 695,714	1.2%
BONDS ISSUED	\$ 2,703,489	4.8%
LOCAL FUNDS	\$ 4,735,462	8.5%
TOTAL	\$ 55,995,361	100%

Project Funding from 2008 to 2020



Building Improvement Projects

City Building Projects

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. To date, approximately \$2,750,000 of the funds have been used. The balance has been set aside for improvements to the three buildings that comprise the City Hall Complex.

The city has hired Dimit Architects of Lakewood, Ohio to make assessments and prepare plans for improvements to City Hall, the Information Technology Building, and the City Law Office. The plans and specifications are complete.

The project was originally put out to bid in September of 2018. The bids received were

significantly higher than the architect's estimate and were rejected.

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 at City Hall and the City Law Office. The HVAC project was put out to bid on two separate occasions in 2019 without any bidders.

The city has applied for and received a Save America's Treasures grant in the amount of \$500,000 to assist with covering a portion of the cost for restoring City Hall. The plans have been submitted to the National Park Service for review and authorization to advertise the project was obtained.

The project will be put out to bid in 2021.



FHWA / OPWC Projects

TRU—East Market Street Project

Karvo Companies of Stow, Ohio entered into a competitively bid contract with the City of Warren in July of 2020 for the East Market Street Project. The project consisted of resurfacing 3.2 miles of roadway from Main Avenue to the intersection at Warren Sharon Road. Additional improvements include concrete repairs, manhole, inlet, and water valve adjustments, pavement markings, and signage. Construction was completed in the fall of 2020 and finalized at a cost of \$1,867,256.30.

The project design was provided by the City's Engineering Division. The project administration and construction oversight was completed by the GPD Group at a cost of \$126,898.00. The project will be finalized in the spring of 2021.

Federal STP funds covered 80% of the project costs and state OPWC funds provided the 20% local share.



OPWC Projects

2020 OPWC / CDBG Road Project

The City of Warren entered into a competitively bid contract with Shelly & Sands, Inc of North Jackson, Ohio for the 2020 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 miles of roadway were improved.

Construction was completed in the fall of 2020 at a cost of \$974,931.30. OPWC funds covered 54% of the project costs, CDBG funds covered 23% and general fund revenues covered 23%.



STREET NAME	FROM STREET	TO	STREET
PARKWOOD DR NW	PARKMAN RD	TO	STEWART DR
STEWART DR NW	PARKWOOD DR	TO	PARKWOOD DR
PARKMAN RD NW (422)	W MARKET ST	TO	WARD ST
VALLEY AVE SW	THIRD ST	TO	MARTIN ST
MARTIN ST SW	VALLEY AVE	TO	LANE DR
LANE DR SW	MARTIN ST	TO	MAIN AVE
PINE AVE SE	SOUTH ST (422)	TO	HIGH ST
VINE AVE NE	E MARKET ST	TO	BELMONT ST
PORTER ST NE	SENECA AVE	TO	ELM RD
COMSTOCK ST NE	N PARK AVE	TO	FREMONT AVE
FEDERAL ST NE	N PARK AVE	TO	FREMONT AVE
FEDERAL ST NW	N PARK AVE	TO	PEACE AVE
PEACE AVE NW	FEDERAL ST	TO	DOUGLAS ST
DOUGLAS ST NW	PEACE AVE	TO	OGDEN AVE
OGDEN AVE NW	DOUGLAS ST	TO	FEDERAL ST
MARYLAND ST NW	OGDEN	TO	SHALOM
SHALOM AVE NW	MARYLAND ST	TO	DOUGLAS ST

OPWC Projects



2021 OPWC / CDBG Road Program

The 2021 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 \$1,225,000. 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 2021.

Street Name	From Street	to	Street
MELWOOD DR NE	FAIRWAY DR.	TO	WILDWOOD
WILDWOOD DR NE	MELWOOD DR.	TO	MELWOOD DR
BENTON ST SE	NILES RD	TO	DRAPER ST
DUKE AVE SE	DRAPER ST	TO	BENTON ST
DRAPER ST SE	NILES RD	TO	DUKE AVE
HAZELWOOD AVE SE	E MARKET ST	TO	YOUNGSTOWN RD
MONROE ST NW	N PARK AVE.	TO	MAHONING AVE
SUMMIT ST NW	ATLANTIC ST	TO	MAHONING AVE
NEVADA AVE SW	W MARKET ST	TO	JACKSON ST
UNION ST SW	HIGHLAND AVE	TO	DEAD END
ELM HILL DR. NW	OLIAN AVE	TO	LYNWOOD
BON AIR ST NW	ELM HILL	TO	LYNWOOD
TANYA AVE. NW	ELM HILL	TO	LYNWOOD
LINDA DR. NW	PARKMAN RD	TO	SOUTHERN BLVD

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.

The study was presented to the public and meetings were held to discuss the recommendations. Representatives of the City of Warren Engineering Department, the Ohio Department of Transportation, and Burgess & Niple answered questions on the report and provided further information as requested.

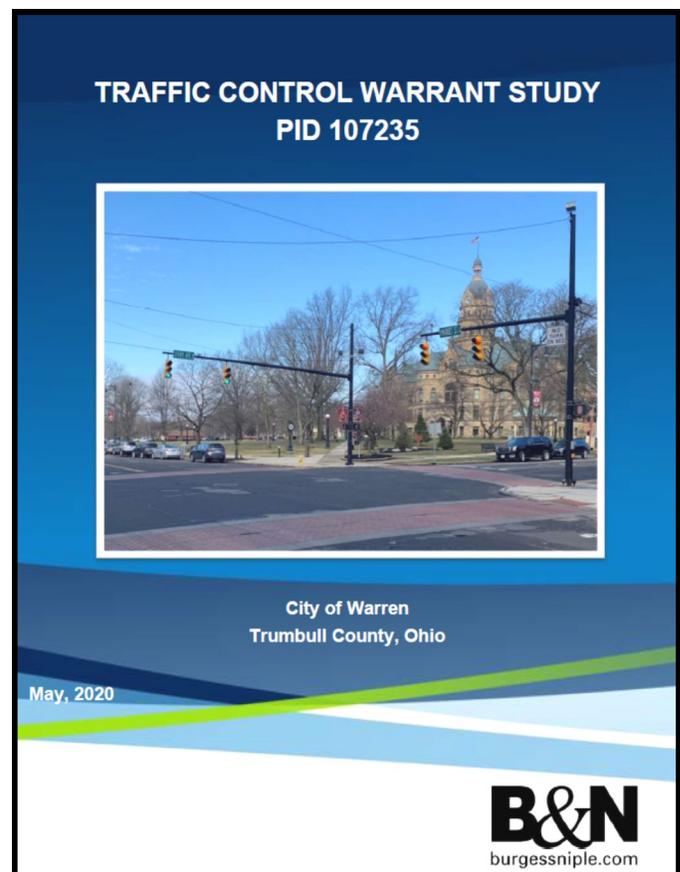
A federal grant covered 100% of the costs associated with reviewing the traffic signal system. Further information about the traffic signal project is provided on page 31 of the annual report. The City of Warren provided the funding for reviewing the all way stop controlled intersections.

Traffic Commission Legislation

Ordinance 12974 / 20

The legislation to adopt the recommendations and findings of the Traffic Control Warrant Study was approved by Council in October of 2020.

A list of the traffic signals and all way stop controlled intersections impacted by the study is included on the following page. The legislation also authorized the removal of flashing yellow caution lights as listed.



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 Caution Signals to be Removed
Comstock Street & West Avenue
Forest Street & Vine Avenue
Grandview Street & Homewood Avenue
Grandview Street & Kenilworth Avenue
Grandview Street & Laird Avenue
Griswold Street & Fremont Avenue
Griswold Street & Paige Avenue
Highland Avenue & Fourth Street
Laird Avenue near Atlantic Street
Laird Avenue & South Street
Main Avenue & Third Street
Nevada Avenue & Union Street
Palmyra Road & Austin Avenue
Palmyra Road & Risher Road
Parkman Road & Northfield Avenue
Parkman Road & Trumbull Plaza
Perkinswood Boulevard & Somerset Street
Pine Avenue & WCI Drive
Robert Avenue & Garden Street
Tod Avenue & Palmyra Road
Tod Avenue & Riverview Street
Washington Street & Olive Avenue
Washington Street & Prospect Avenue

Stop Signs to be Removed	
Major Street	Minor Street
Nevada	Union
Nevada	Hamilton
Nevada	Oak
Palmyra	Risher
Hanilton	York
Jefferson	York
Oak	York
Palmyra	Austin
Lane	Valley
Beal	Midwae
Southern	Solar
Northwest	Commerce
Northfield	Norwood
Oakdale	Drexel
Norwood	Drexel
Riverview	Niblock
Ohio	Ward
Dickey	Taylor
Dickey	Ward
Comstock	Vernon

Stop Signs to be Removed	
Major Street	Minor Street
Federal	Arlington
Porter	Vine
Edgewood	Bonnie Brae
Hollywood	Kenilworth
Edgewood	Kenilworth
Willard	Montclair
Perkinswood	Woodland
Butler	Woodland
Kenilworth	South
Woodbine	South
Oak Knoll	Belle
Adelaide	Belle
Belevedere	Grandview
Kenmore	South
Trumbull	Catalpa
Meadowbrook	Catalpa
Eastland	Catalpa
Homewood	Clarence
Kenilworth	Clarence
Francis	Sussex

Stop Signs to be Removed	
Major Street	Minor Street
Kenmore	Sussex
Hazelwood	Colonial
Milton	Hazelwood
Wallace	Duke
Brier	Duke
Brier	Willard
Burton	Willard
Meadowbrook	Surrey
Martha	Mazda
Jackson	Nevada
Wick	Duke
Willard	Sussex
Meadowbrook	Sussex
Eastland	Sussex
Brighton	Martha
Glenwood	Mazda
Southern	Linda
Homewood	South
Perkinswood	Sussex

City of Warren / Crash Data (2020)

Year	Total Crashes	Fatalities	Serious Injuries
2020	687	0	27
Grand Total	687	0	27

48 Traffic accidents involving alcohol

12 Traffic accidents involving drugs

3 Traffic accidents involving pedestrians

2 Traffic accidents involving bicycles

17 Traffic accidents involving motorcycles

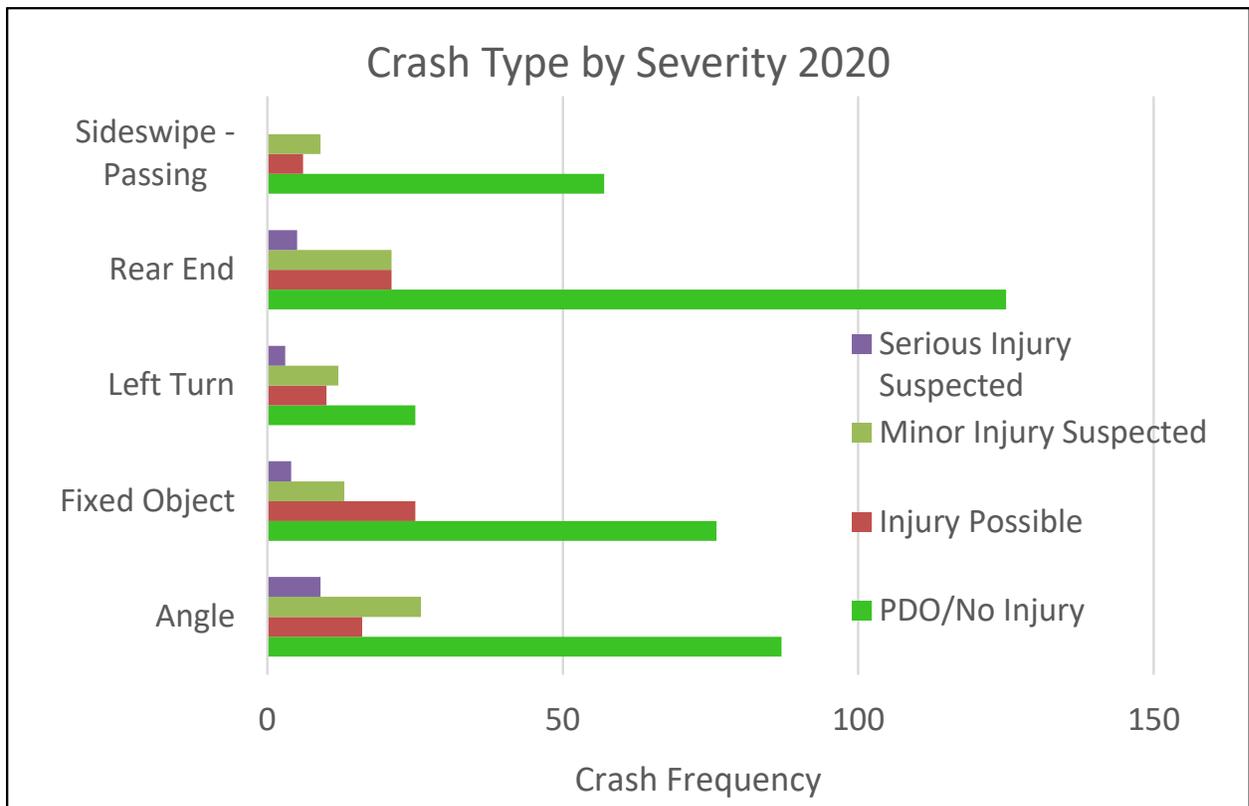
126 Traffic accidents involving senior driver (Age 65+)

249 Traffic accidents younger driver (Age 15 to 25)



City of Warren / Crash Data (2020)

Total Crashes Crash Type	Injury Level PDO/No Injury	Injury Possible	Minor Injury Suspected	Serious Injury Suspected	Grand Total
Rear End	125	21	21	5	172
Angle	87	16	26	9	138
Fixed Object	76	25	13	4	118
Sideswipe - Passing	57	6	9	0	72
Left Turn	25	10	12	3	50
Parked Vehicle	31	6	4	1	42
Backing	32	3	0	0	35
Head On	8	2	8	1	19
Right Turn	12	1	4	0	17
Other Non-Collision	4	2	1	1	8
Animal	6	0	0	0	6
Unknown	1	0	1	1	3
Pedestrian	0	0	3	0	3
Pedalcycles	1	0	1	0	2
Train	0	1	0	0	1
Other Object	1	0	0	0	1
Grand Total	466	93	103	25	687



City of Warren / Crash Data (2010 - 2019)

Year	Total Crashes	Fatalities	Serious Injuries
2010	777	3	25
2011	812	2	26
2012	770	2	30
2013	745	1	17
2014	690	0	15
2015	682	3	10
2016	712	2	13
2017	779	1	16
2018	728	3	23
2019	631	4	16
Grand Total	7,326	21	191

369 Traffic accidents involving alcohol

200 Traffic accidents involving drugs

88 Traffic accidents involving pedestrians

39 Traffic accidents involving bicycles

120 Traffic accidents involving motorcycles

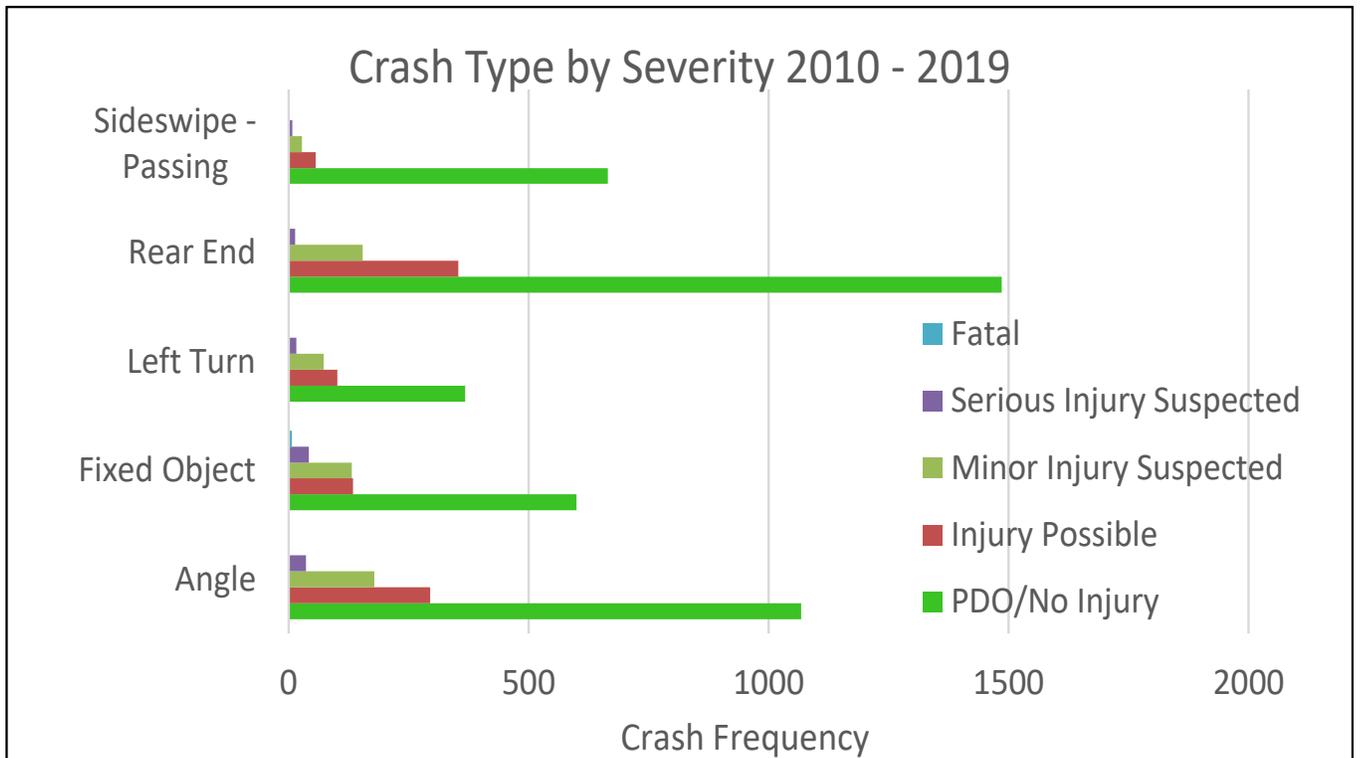
1,460 Traffic accidents involving senior driver (Age 65+)

2,617 Traffic accidents younger driver (Age 15 to 25)



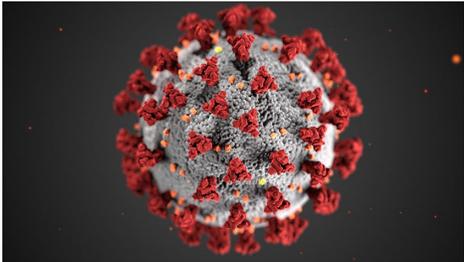
City of Warren / Crash Data (2010 - 2019)

Total Crashes Crash Type	Injury Level PDO/No Injury	Injury Possible	Minor Injury Suspected	Serious Injury Suspected	Fatal	Grand Total
Rear End	1,486	354	154	14	1	2,009
Angle	1,068	295	179	36	0	1,578
Fixed Object	600	134	132	42	7	915
Sideswipe - Passing	665	56	28	8	0	757
Left Turn	368	102	73	16	1	560
Backing	488	22	8	0	0	518
Right Turn	232	32	15	2	0	281
Parked Vehicle	170	12	6	3	0	191
Head On	77	35	29	14	1	156
Other Non-Collision	74	13	13	8	1	109
Pedestrian	5	24	29	23	7	88
Animal	68	2	1	1	0	72
Pedalcycles	6	13	16	3	1	39
Overturning	6	4	8	1	2	21
Other Object	15	1	1	0	0	17
Unknown	8	3	1	1	0	13
Sideswipe - Meeting	1	0	1	0	0	2
Grand Total	5,337	1,102	694	172	21	7,326





The City of Warren did not have a locally funded resurfacing program in 2020 due to the financial uncertainties associated with the COVID 19 pandemic.





In 2019, the State of Ohio raised the state gas tax by 10.5 cents per gallon. The City of Warren is expected to receive an additional \$750,000 per year from the gas tax increase. The engineering department has recommended that the additional revenue from the gas tax be earmarked for local resurfacing and road maintenance programs.



SRTS Projects

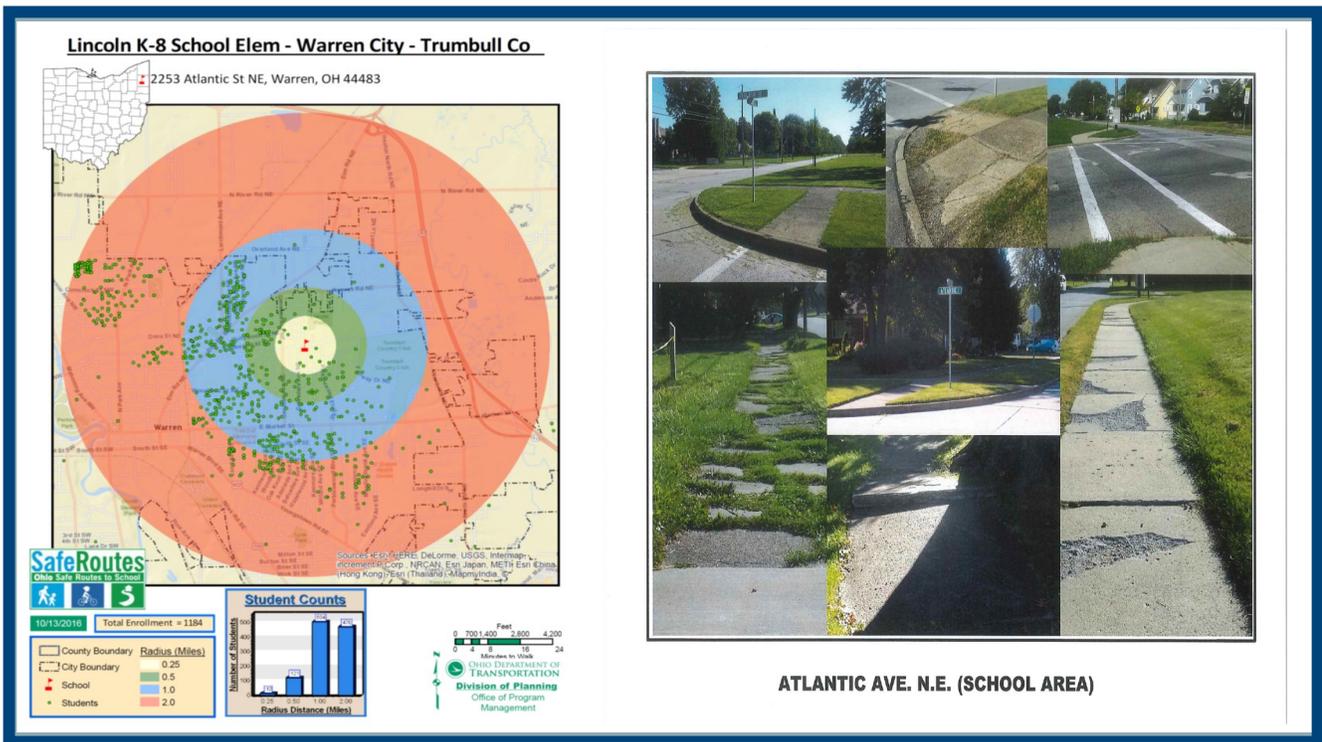
Safe Routes to School Sidewalks

In partnership with the Warren City School District, the City of Warren applied for and received funding for two Safe Routes to School (SRTS) projects. 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 first SRTS project will improve sidewalks and curb ramps around all four PK-8 schools, focusing on Fifth Street (Jefferson), Milton Street (Willard), Tod Avenue (McGuffey), and Atlantic Street (Lincoln). Assessments have been completed and repairs will be made as needed. Federal SRTS funds will cover 100% of the project cost up to \$400,000. Construction is scheduled for 2021.

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 will complete the engineering design for \$12,000. The SRTS School Zone Signals Project will be constructed in conjunction with the Traffic Signal Upgrade Project in 2022.



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 has been hired to complete the signal assessments and design work. The value of the contract is \$260,738.

The estimated cost of the project is \$1,633,500. Federal CMAQ funds will cover 100% of the project engineering and construction costs. The funds for construction will be available in 2022.

TRU—US422-10.79

(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 \$500,000. The ODOT will cover 80% (\$400,000) of the project costs and the 20% balance (\$100,000) will be covered by the OPWC.

The project is scheduled for construction in the fall of 2021.

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 under contract with MS Consultants.

Future Road Improvement Projects

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

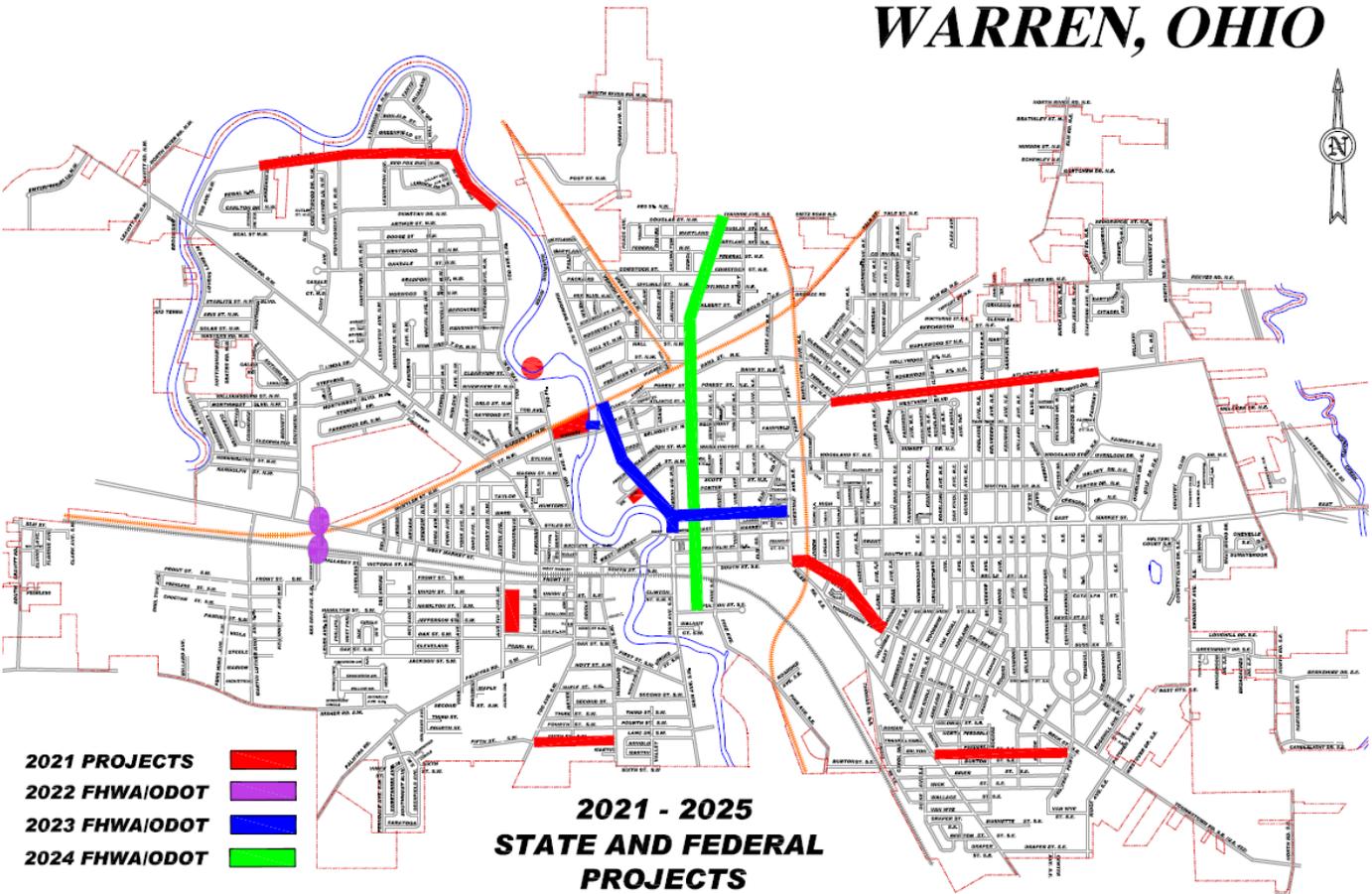
High / Mahoning
\$1,200,000 (FY24)

Park Avenue
\$1,200,000 (FY24)

**City of Warren
Engineering, Planning & Building Department
2021 - 2025 Capital Plan**

Project	FHWA / ODOT	OPWC	ODNR	OEPA / Other	CDBG	NPS / NOPEC	Local	Total	Schedule
2021 Local Roads Program							\$1,000,000	\$1,000,000	7/2021 - 12/2021
2021 OPWC / CDBG Road Program		\$661,500			\$281,750		\$281,750	\$1,225,000	7/2021 - 12/2021
City Traffic Signal Project Engineering	\$261,000							\$261,000	3/2019 - 2/2022
City Traffic Signal Project Construction	\$1,633,500							\$1,633,500	3/2022 - 12/2022
Warren Safe Routes to School Sidewalk	\$400,000							\$400,000	5/2021 - 7/2021
Warren Safe Routes to School Signals	\$250,000							\$250,000	3/2022 - 12/2022
Reserve Avenue Bridges Engineering	\$104,560						\$26,140	\$130,700	7/2018 - 7/2021
Reserve Avenue Bridges Rehabilitation	\$1,344,000	\$336,000						\$1,680,000	3/2022 - 8/2022
TRU-US422-10.79 (Warren Boulevard)	\$400,000	\$100,000						\$500,000	9/2021 - 6/2022
City Hall Project Construction						\$700,000	\$1,000,000	\$1,700,000	4/2021 - 12/2021
Quinby Park Shelter House			\$27,438		\$9,146			\$36,584	4/2021 - 6/2021
Mahoningside Improvements	\$385,000							\$385,000	6/2021 - 12/2021
Small Boat Launch			\$74,118					\$74,118	6/2021 - 12/2021
Summit Street Dam Removal				\$3,225,500				\$3,225,500	6/2021 - 12/2023
High / Mahoning Resurfacing	\$960,000						\$240,000	\$1,200,000	7/2023 - 12/2023
North Park Resurfacing	\$960,000						\$240,000	\$1,200,000	4/2024 - 9/2024
TOTALS	\$6,698,060	\$1,097,500	\$101,556	\$3,225,500	\$280,896	\$700,000	\$2,787,890	\$14,901,402	

WARREN, OHIO



FHWA Project

Warren Riverwalk Projects

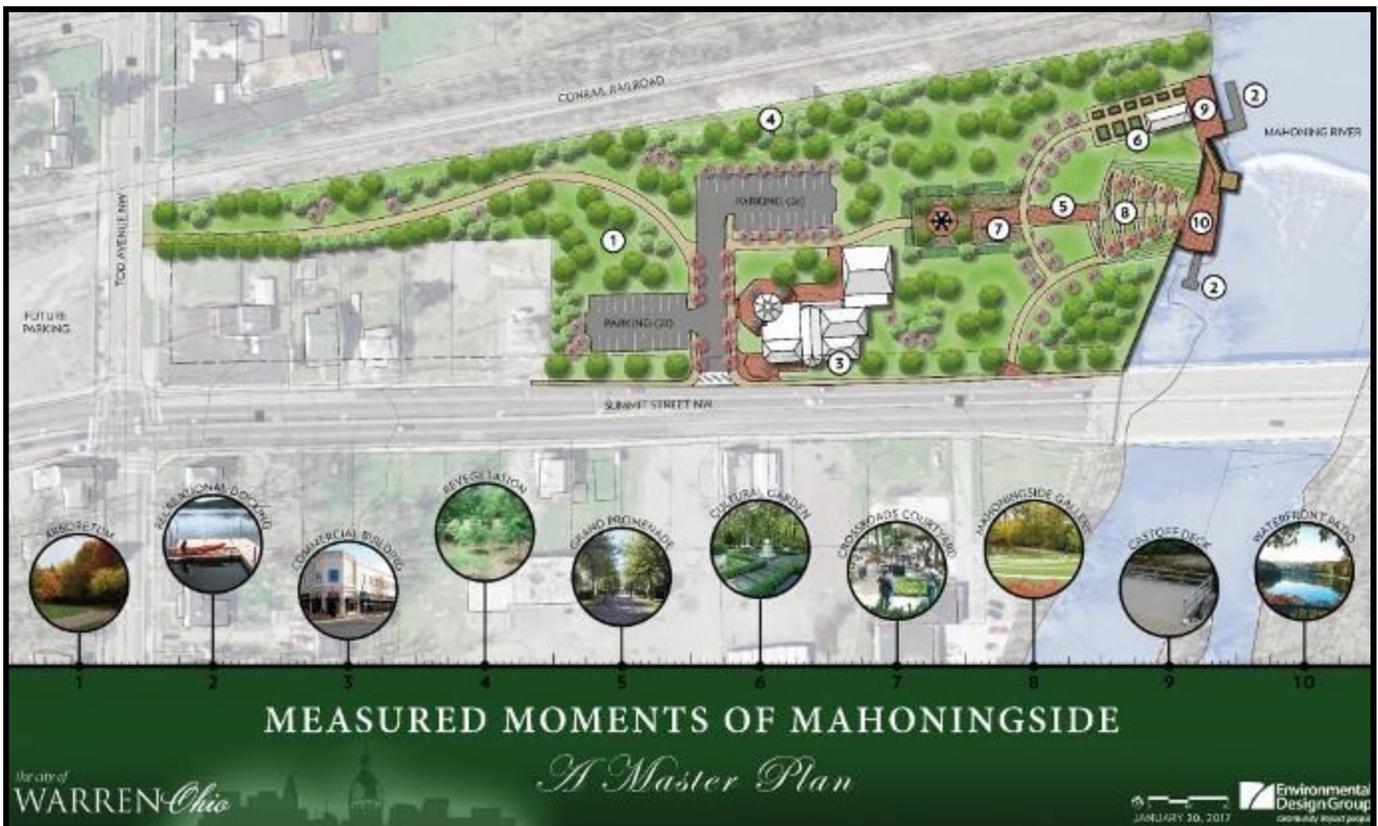
The Warren Riverwalk Projects have been funded by a \$1.1 million grant through the Federal Highway Administration. Engineering, environmental studies and construction are eligible for project funding. The grant funds are being provided at 100% for eligible items.

Riverwalk projects constructing trails at Lovers Lane, Burbank, and Bullhead Parks have been completed over the past seven years. Stone masonry work at several riverfront facilities at Perkins and Packard Parks were also completed 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, and other amenities. The Environmental Design Group (EDG) will complete the design and specifications for the project.

The city will be seeking EPA approval for the plan. The city may seek to supplement the Riverwalk grant with local CDBG funds or other grants to expand the scope of the Mahoningside Project. Construction is scheduled in 2021.



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.

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 will be completed in 2021 with the actual dam and sediment removal completed in 2022 / 2023.



ODNR Project

Small Boat Launch at Packard Park

The City of Warren has been awarded a grant from the ODNR Division of Parks and Watercraft to construct a small boat launch along the Mahoning River in Packard Park. The boat launch will be ADA assessable.

The grant will cover the 100% of the construction cost up to \$74,118. The City of Warren will cover all associated project engineering costs.



Packard Park Small Boat Launch Location

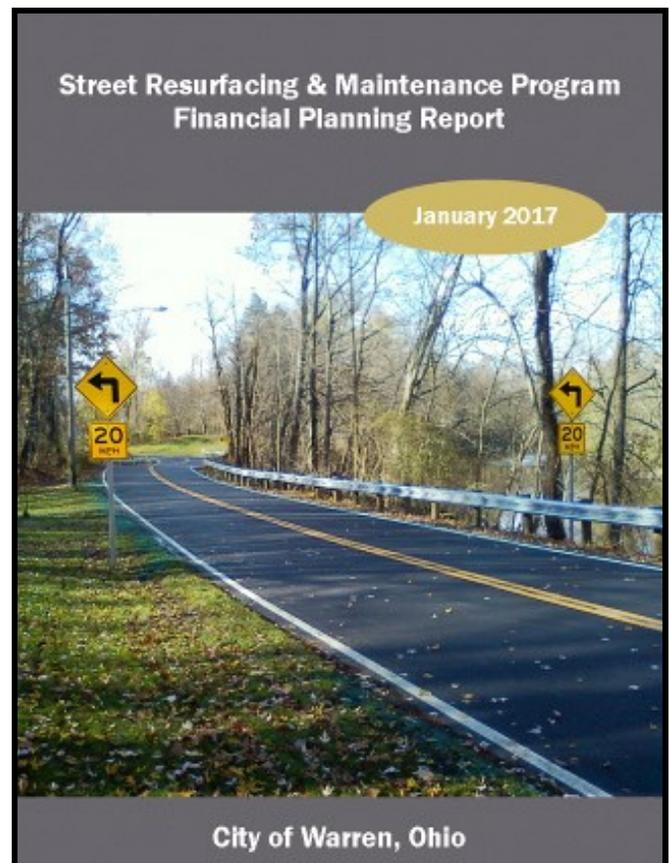
Engineer's Recommendations

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.



The City of Warren should have a local resurfacing program of \$1 million per year. The local program should supplement what is traditionally done through the federal and state road programs.



A good maintenance program will improve the pavement conditions and extend the practical service life of the roads. Road maintenance can include utility cut repairs, partial depth pavement repairs, crack sealing, and thin asphalt overlays.



DEO Gas Project at South St & Vine Ave SE

2020 Annual Report

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.

Variance Requests

Board of Zoning Appeals

VAR-20-01 A variance request was granted for 2320 Tod Avenue to construct a 5,000 square foot accessory structure in the side yard of a Residential A property. A variance was also approved to construct the structure at a height of 22 feet.

VAR-20-02 A conditional use variance was granted for the property located at 1851 East Market Street to allow a Commercial A land use (for a beauty spa) in a Residential B district.

VAR-20-03 A variance request was granted for 851 Oak Knoll to allow a two family dwelling in a Residential A district.

VAR-20-04 A variance was granted for the properties located 140 and 154 Washington Street to allow accessory structures to remain on parcels without a primary structure.

Warren Police arrest man accused of zoning violations

A Warren man cited by zoning officials for having nearly a dozen cars on his property has been arrested. David Martin, 37, was booked into the Trumbull County jail Monday after being arrested on Warrants issued for failure to appear in municipal court to answer charges of obstructing official business and violating the city's property maintenance rules.

According to a police report, Martin tried to stop zoning officials from towing 11 vehicles from his yard at 1051 Wood Avenue this past September. Zoning officials told officers that the vehicles either didn't work, didn't have valid registrations, or violated rules against being parked in a yard.

The police report says Martin threatened to file theft charges against anyone taking his cars and then used his car to block a tow truck from entering his property. Police issued a court summons to Martin, who pleaded not guilty in October. However a warrant was issued for Martin's arrest when he didn't show up in court for a follow-up hearing on December 1.



Tuesday, December 15, 2020



2020 US Census / Overall Timeline

The count is complete and the Census Bureau is processing the data making sure that everyone is counted and in the right place. Here's a look at some of the key upcoming dates, as they are currently scheduled:

2021 (Adjusted due to COVID-19)

- **By April 30, 2021:** The Census Bureau will deliver population counts used for apportionment to the president as required by law.
- **By May 2021:** The Census Bureau will release additional operational quality metrics such as average household size, and percentage of single-person housing units and two-person housing units.
- **By August 16, 2021:** States will receive the data they need to begin redistricting in August. The Census Bureau will also share this information with the public. However, the data will be in a format that requires additional handling and software to extract familiar tables. COVID-19-related delays and prioritizing the delivery of the apportionment results delayed their original redistricting data delivery plan.
- **By September 30, 2021:** The Census Bureau will deliver the final redistricting data toolkit to all states and the public. This will include digital tools which provides 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.

Each year, the Census Bureau will also release 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.

The City of Warren, Ohio population in 2019 was: **39,307**



City Population

The United States population on January 1, 2021 was: **332,086,749**

Components of Population Change in the U.S.

- One birth every 8 seconds
- One death every 12 seconds
- One international migrant every 670 seconds
- Net gain of one person every 29 seconds



Most Populous States (2019)

California	39,512,223
Texas	28,995,881
Florida	21,477,737
New York	19,453,561
Pennsylvania	12,801,989
Illinois	12,671,821
Ohio	11,689,100
Georgia	10,617,423
North Carolina	10,488,084
Michigan	9,986,857

Most Populous Cities (2019)

New York City, NY	8,336,817
Los Angeles, CA	3,979,576
Chicago, IL	2,693,976
Houston, TX	2,320,268
Phoenix, AZ	1,680,992
Philadelphia, PA	1,584,064
San Antonio, TX	1,547,253
San Diego, CA	1,423,851
Dallas, TX	1,343,573
San Jose, CA	1,021,795

The World population on January 1, 2021 was: **7,543,334,085**

Most Populous Countries (July 2021)



China	1,397,897,720
India	1,339,330,514
United States	332,475,723
Indonesia	275,122,131
Pakistan	238,181,034

Zoning Enforcement

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

- 56 signs were removed and discarded from utility poles and right of ways.
- 125 vehicle citation warnings issued. 8 vehicles were towed. 110 vehicles complied and 7 cars are still pending.
- There were 7 approvals of zoning for the sale or distribution of liquor and 1 objection.
- Numerous letters and approvals were issued for fences, zoning verification and other zoning matters.

New Addresses

There were no new addresses issued in 2020.

Annexations

There were no annexations in 2020.

Zone Changes

There were no zone changes in 2020.

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 2021.

City Statistics

2020 STATISTICS

Sanitary Sewers

Total Sanitary Sewers	201.39 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
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LAND AREA 2020

***In Land* 10,057.33 acres**

***In Water* 155.10 acres**

***Total Land* 10,212.43 acres**

The Elevation of the City of Warren

At Courthouse Park

852.78 FT

Above Sea Level

**The City of Warren has
60 Traffic Signals**

**LAND AREA
16.08 SQ. MI.**

The Population of the City
of Warren is

39,307

2019 US Census Estimate

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

In Courthouse Park, Warren, Ohio



Women's Park on Mahoning Ave NW

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	47.83
Former Turner School Property	5.66
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



Mahoning River

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 its entirety on the City of Warren's website at www.warren.org.



Perkins Park

2020 Annual Report

BUILDING DIVISION



AutoParkit—408 Dana St. NE—Lift Pit Footer and Storm Drain Repair

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.

2019 PERMIT SUMMARY

COMMERCIAL PERMITS

BUILDING	181
DEMOLITIONS	9
ELECTRICAL	51
PLUMBING	20
HVAC	19
TOTAL COMMERCIAL PERMITS	280

Permit Fees Collected \$93,715.52

State Accessment Fees Collected \$2,775.11

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

RESIDENTIAL PERMITS

BUILDING	533
DEMOLITIONS	90
ELECTRICAL	280
PLUMBING	26
HVAC	91
TOTAL RESIDENTIAL PERMITS	1020

Permit Fees Collected \$78,022.99

State Accessment Fees Collected \$726.25

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

Total City Building Fees

\$171,738.51

Total State Fees Collected

\$3,501.36

Total Valuation of Work

\$11,581,856

CONTRACTOR REGISTRATION

CONTRACTORS REGISTERED 442

Registration Fees Collected \$52,325.00

Total City Fees Collected (Permits and Registration)

\$224,063.51

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 forty two (442) general, electrical, H.V.A.C., plumbing and demolition contractors were registered to work in the City of Warren in 2020. The resulting registration fees brought \$52,325.00 into the general fund.

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

Building Permit Trends

City of Warren Building Permits 2010 - 2019

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average 2010 - 2019
Residential Permits	2,059	2,317	1,271	1,030	551	1,136	1,002	972	1,078	1,254	1,267
Permit Fees	\$68,055	\$78,350	\$69,430	\$66,713	\$33,109	\$84,287	\$92,019	\$64,323	\$78,888	\$80,180	\$71,535
Commercial Permits	1,042	815	423	361	497	472	359	414	316	390	509
Permit Fees	\$230,620	\$155,383	\$193,466	\$171,180	\$135,000	\$155,359	\$253,490	\$145,338	\$144,249	\$211,659	\$179,574
Demolition Permits	192	143	135	195	119	127	135	141	196	170	155
Total Permit Fees	\$298,675	\$233,733	\$262,896	\$237,893	\$168,109	\$239,646	\$345,509	\$209,661	\$223,137	\$291,839	\$251,110
Contractor Registration	\$59,900	\$58,175	\$56,150	\$55,850	\$61,250	\$54,000	\$47,650	\$53,800	\$55,750	\$56,425	\$55,895



2019 Robins Theater Restoration



2016 Parkman Landing



2012 Akron Children's



2015 Akron Children's



2015 Trumbull County Veterans Center

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.

Required 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.

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 2020 was \$23,940.

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 2020 was \$1,155.

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 2020 was \$9,002.

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
www.boconeo.org

American Association of Code Enforcement
www.aace1.com

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.

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.



487 / 495 West Market Street

2020 Demolitions

CDBG Demolitions

The Building Division used funds from the Community Development Department to demolish commercial buildings and residential structures where the owners were non-responsive to repair / demolish orders. A list of the properties that were completed is provided below along with the low bidder and demolition cost.

Property	Land Use	Contractor	Demolition Cost
464 South St SW	Commercial	Woodford Excavating	\$82,488
487 / 495 West Market St	Commercial		
444 South St SW	Commercial		
408 Atlantic St NE	Commercial	Gibbs Construction	\$110,639
1445 Elm Rd	Commercial		
1426 Niles Rd SE	Commercial		
2019 / 2025 W Market St	Commercial		
960 Highland Ave SW	Residential		
801 Mahoning Ave NW	Residential		
1830 Ridge Ave SE	Residential		
1616 Tod Ave SW	Residential		
2022 Van Wye St SE	Residential		
2045 Van Wye St SE	Residential		



2020 Construction

AutoParkit

Lift Pit Footer & Storm Drain Repair

Address: 408 Dana Street NE

Construction Valuation: \$25,000

Architect: Kurt Saur, PE

General Contractor: Dasher Lawless, Inc.



Safe Harbor Recovery

Address: 1212 Tod Place NW

Construction Valuation: \$82,500

Architect: S.D. Services

General Contractor: M.T. Builders



2020 Construction

TMH Boiler Replacement

Address: 1350 East Market Street

Construction Valuation: \$2,741,862

Architect: David Snyder, RA

General Contractor: Massaro Corp.



2020 Construction



Hall Funeral Home Crematorium

Address: 533 North Park Ave.

Owners: Carl W. Hall Funeral Home

Valuation: \$500,000

General Contractor: Miller Yount Paving

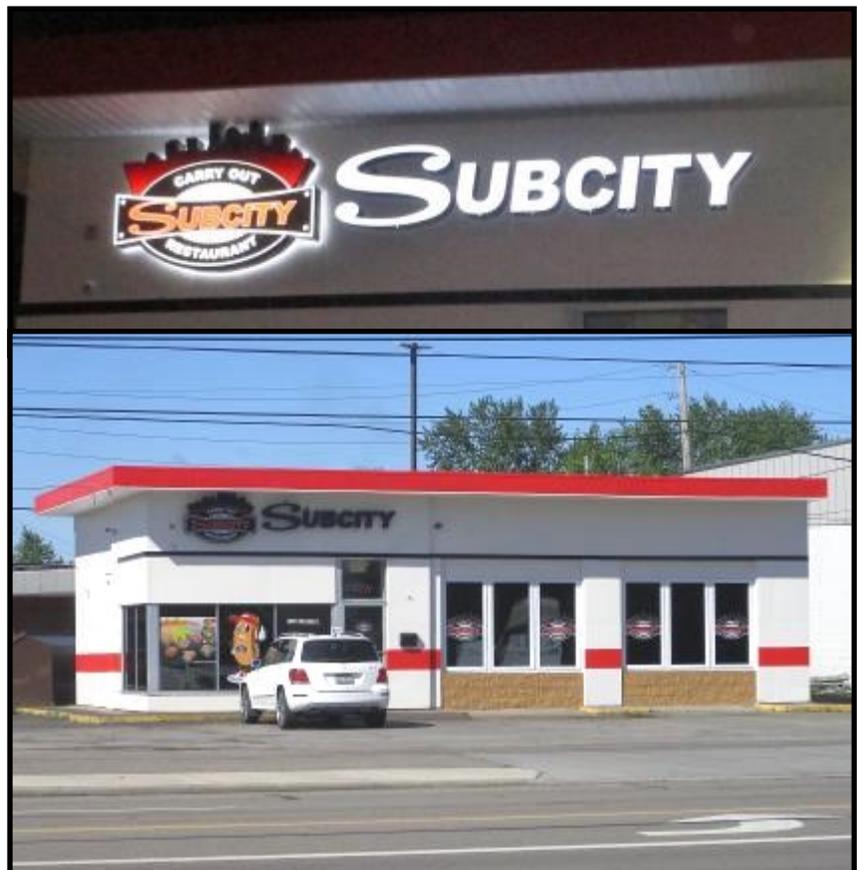
Subcity Restaurant

Address: 2611 Parkman Road

Valuation: \$4,300

General Contractor:

Inner City Contracting



2020 Demolitions

Commercial Demolition

Address: 333 South Park Ave

General Contractor: Pro Quality Land
Development



2020 Construction

540 Laird Ave Roof Replacement

