

2014 ANNUAL REPORT

Engineering, Planning & Building Department

ENGINEERING DIVISION



OPWC PROJECTS

2014 City Road Program

The City of Warren will be awarded Issue II funds from Ohio Public Works to resurface portions of Ridge Road SE, Fulton Steet SW, and Tod Avenue NW. The concrete pavement on Northwest Blvd. NW will be milled and resurfaced with asphalt. The estimated cost of the project is \$435,000. The Issue II monies will cover 69% of the project costs. The balance of the cost will be covered through a combination of local funds and in-kind services.

The funds for the project will be released in July of 2015. The plans, specifications and inspections will be provided by the Engineering Division.

2015 City Road Program

The City of Warren will be awarded Issue II funds from Ohio Public Works to resurface portions of Austin Ave. SW, Chestnut Street SE, Griswold Street NE and McMyler Street NW. The estimated cost of the project is \$498,834. The Issue II monies will cover 45% of the project costs. The balance of the cost will be covered through CDBG funds.

It is unclear at this time if the funds will be released in the summer of 2015. If the funds are released in 2015, the division will combine the 2014 and 2015 City Arterial Projects into one larger project. The plans, specifications and inspections will be provided by the Engineering Division.



Over \$200,000 in concrete repairs were completed on Atlantic Street in 2014.

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FHWA / OPWC PROJECTS

Palmyra, Highland & Main Resurfacing Project

The City of Warren received Federal Highway Administration Funds to resurface Palmyra Road, Highland Avenue and Main Avenue SW in 2014. Federal funds will cover 80% of the project costs up to \$1,520,000 and the balance will be covered by Ohio Public Works Commission. Thomas Fok & Associates was contracted to prepare the plans and specifications for the project. Federal and state funds will cover the \$24,750 cost of engineering.

A construction contract in the amount of \$1,733,023.87 was awarded to the Shelly Company. The resurfacing, sidewalk repair, and signage was completed in the 2014 construction season. Thermoplastic pavement markings will be completed in the spring of 2015 when the weather becomes warm enough.

The project is being administered by the City of Warren under Ohio's Local Public Agency (LPA) program. The City of Warren entered into a contract in the amount of \$49,000 with the Environmental Design Group to inspect the construction portion of the project.



West Market Street Resurfacing

Plans for this project are being prepared by the City of Warren's Engineering Division. It is scheduled for construction in the summer of 2015.

The reconstruction will include the milling and resurfacing of 2.4 miles of West Market Street from Main Avenue to the western city limits near Lovers Lane NW. Manholes, water valves, and inlets will be adjusted. Concrete repairs, signage and paint striping will be included.

The estimated cost for this project is \$1,450,000. 80% of the project costs will be funded by the Federal Highway Administration. Ohio Public Works Commission Issue 2 funds will cover the 20% local share.

The project will be administered by the City of Warren under Ohio's Local Public Agency (LPA) program.



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FHWA / ODOT PROJECTS

Youngstown Road SE (US422) Resurfacing / Section 1

The Engineering Division requested and received funding to resurface the five lane asphalt roadway of Youngstown Road (US 422) between Ridge Rd. and North Rd. The plans, specifications and construction supervision was performed by the ODOT.

The reconstruction of Youngstown Road was combined by ODOT with a section of Niles Road outside the city limits and the concrete repairs on Warren Blvd. SE into one project. The project included milling, resurfacing, manhole, inlet and water valve adjustments, paint striping, signage and the concrete repairs on Warren Blvd. Karvo Paving of Stowe, Ohio received the competitively bid contract. The cost of the City of Warren's portion of the project was \$504,000 and the city's local share was \$58,422. Construction was completed in the fall of 2014.

Youngstown Road SE (US422) Reconstruction / Section 2

The city will select an engineering consultant in early 2015 for design services needed for the reconstruction of the second section of Youngstown Road SE. The second section of Youngstown Road (US422) is the four lane undivided highway between Laird Ave. and Ridge Ave.. The project will include resurfacing, curbs, sidewalks, drive approaches and catch basins. The concrete driving lanes will be milled and overlaid with asphalt.

The estimated construction cost is \$4 million. Federal and state funds are programmed to cover 100% of the construction costs. Construction is scheduled for 2018 and 2019. The project will be administered by the City of Warren under Ohio's LPA Program.

Parkman Road NW (US422) Phase 3

A competitively bid contract in the amount of \$3,327,412 has been awarded to Marucci & Gaffney from Youngstown, Ohio for the Parkman Road Phase 3 Project. The City of Warren has provided a local contribution of \$114,206 with state and federal funding covering the balance of the project costs. The project will include the addition of a turn lane between Coit Avenue and Southern Boulevard NW, new curbs and sidewalks, storm sewers, waterlines, and resurfacing.

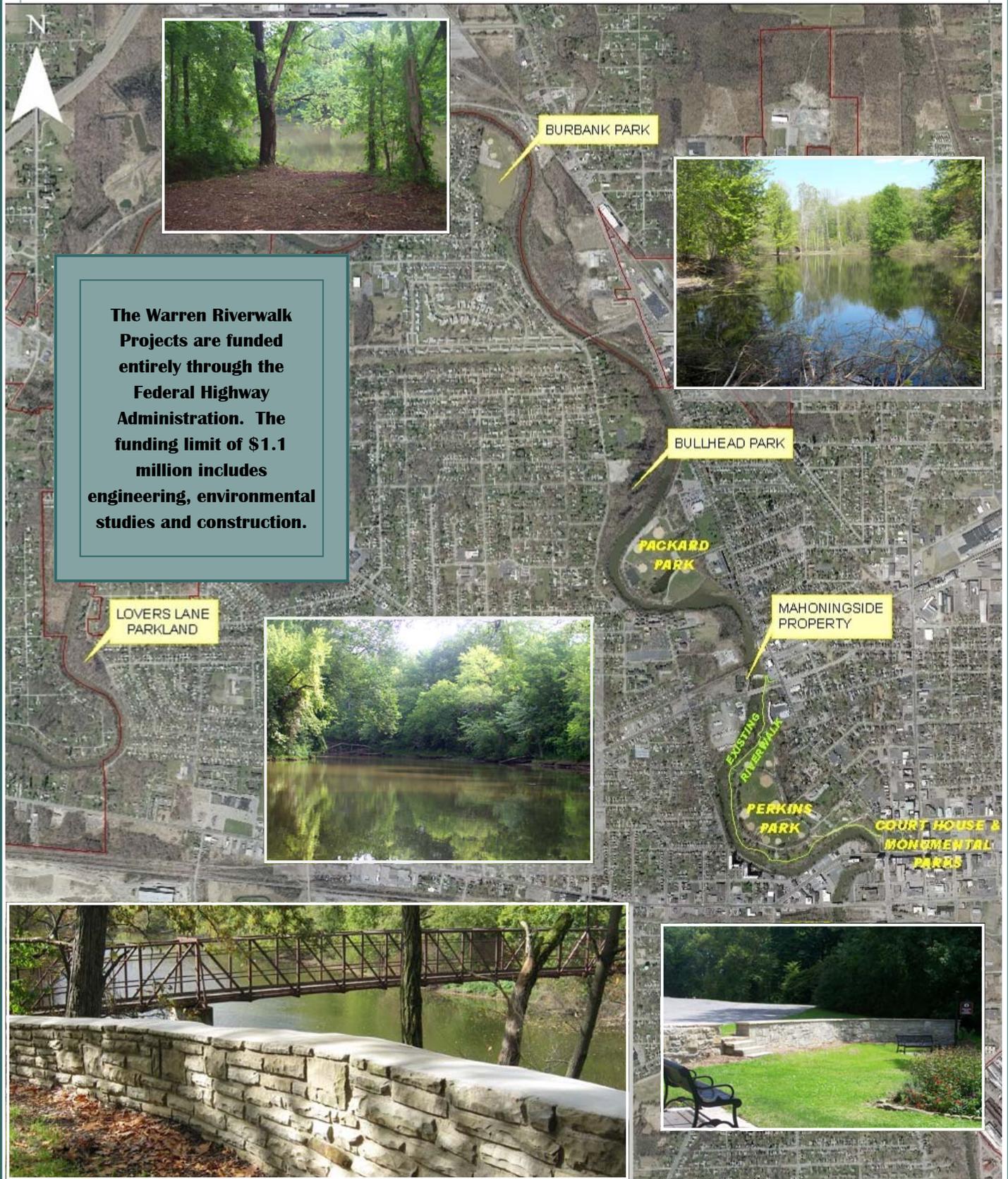
The waterline replacement and utility work along Parkman Road have been completed. Storm sewer work will take place in January and February of 2015 with widening, sidewalks and curbs being constructed in the spring. The resurfacing is expected to occur in the summer of 2015.

The project is being overseen by the Ohio Department of Transportation.



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The Warren Riverwalk Projects are funded entirely through the Federal Highway Administration. The funding limit of \$1.1 million includes engineering, environmental studies and construction.

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FHWA PROJECTS

Warren Riverwalk Projects

The Warren Riverwalk Project is funded through the Federal Highway Administration. The funding limit for this project is \$1.1 million which includes engineering, environmental studies and construction.

The first phase of the project was the **Historic Stone Masonry Renovations**. The work included the restoration of the stone masonry walls, stairs and pavilion at Packard Park and the restoration of a stone masonry wall, stair and pavilion at Perkins park. The stone wall restoration specifications were prepared by Fisher Engineering Associates. The stone restoration project was finished in the summer of 2013. The City entered into a competitively bid contract with Quality Masonry from Marion, Ohio. The project was completed at a final cost of \$249,834.57.



Other phases of the riverwalk involved the construction of trails at Lovers Lane Park, Burbank Park and Bullhead Park. The trail designs, plans and specifications were prepared Thomas Fok & Associates. The work included clearing a twenty five foot corridor of vegetation, then creating an earth trail. Each park was bid as a separate project.

The City entered into a competitively bid contract with East Coast Paving & Sealcoating of New Castle, Pennsylvania for the construction of the trails at **Lovers**

Lane Park. The Lovers Lane parklands are off Lovers Lane NW along the river near Northwest Blvd. The construction of the trails began in the spring of 2013. The project was completed at a final cost of \$42,632.36.

The construction of trails at **Burbank Park** which included wooden footbridges began in the spring of 2013. The City entered into a competitively bid contract with RMS & Company for the construction of the trails in Burbank Park. The project was completed at a final cost of \$107,366.00.

The construction of trails at **Bullhead Park** began in the fall of 2013. The City entered into a competitively bid contract in the amount of \$144,108.33 with RMS & Company for the construction of the trails. The project restored 4,684 feet of existing walking trails at the city owned property near the intersection of Tod Avenue NW and Norwood Street. Work was suspended due to winter weather and wet field conditions. The city, ODOT, and the contractor agreed to add aggregate base to some of the wet areas on the trails. The paving of a eight foot path from Tod Avenue to the footbridge will occur in the spring of 2015.

The remainder of the riverwalk grant is programmed for improvements to the **Mahoningside** property. The project could include a walkway overlooking the Mahoning River with lighting, landscaping, a fountain, and parking facilities. The Environmental Design Group (EDG) will complete the design and specifications for the project. Construction is presently planned for 2016.



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FHWA PROJECTS

Greenway Trailhead Project

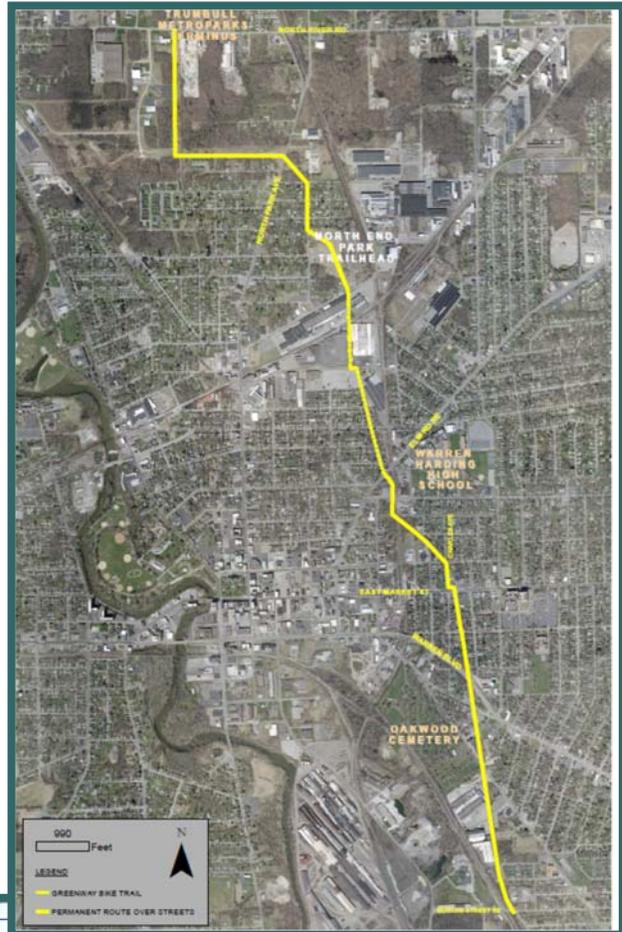
The City of Warren has received a Federal Transportation, Community, and System Preservation (TCSP) Grant in the amount of \$332,500 for the Greenway Trailheads Project. The grant will provide 80% of project costs and will be used to construct trailheads with general amenities for the bike trail.

Trailheads are currently being planned for North River Road trail and Youngstown Road.

HZW Environmental Consultants of Mentor, Ohio have a contract in the amount of \$32,165.00 to perform the engineering and environmental studies for the North River Road Trailhead.

The consultant is currently working with the ODOT to determine the level of environmental coordination that will be needed for the projects.

Construction of the trailheads is tentatively scheduled for 2016.



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FHWA PROJECTS

Community Gateway Sign Project

The City of Warren received federal funds to install gateway signs at various locations in the city. Nine large community signs will be placed along principal arterial roads and eight smaller signs will be placed along minor arterial roads. Federal funds are covering 80% of the eligible construction costs up to a maximum of \$200,160 and the balance is being covered by the City of Warren.

Construction is in progress. A contract in the amount of \$224,424.13 was awarded to Main Lite Electric. Two of the large signs were completed in 2014. The balance of the project will be completed in 2015.

The plans and specifications for the signs were prepared by Thomas Fok & Associates. The Engineering Division is performing the inspections for the project.



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Warren City Council passed legislation in the fall of 2013 which provided for the issuance and sale of bonds for acquiring, renovating, and repairing buildings for city use.

Ordinance 12487/13 provides \$3,000,000 for acquiring and renovating an existing building for city offices. In October 2013, the City of Warren purchased the **Gibson Building** at 258 East Market Street to house several city offices now located at 418 Main Avenue SW. The building was purchased for \$2,500,000. Plans and specifications were prepared for the roof replacement and a contract in the amount of \$184,457 was awarded to SRI Roofing & Sheet Metal of New Castle, PA. The roof replacement work will be completed in the spring of 2015. The space plan and office layout is being provided by Phillips / Sekanick Architects. The project will be put out to bid in the spring of 2015 with work anticipated to begin shortly thereafter. Office cubicles and furnishings have been donated to the City of Warren by the Ohio Department of



LOCAL PROJECTS

Transportation.

Ordinance 12488/13 provides \$4,000,000 for renovations and repairs of existing city buildings.

In 2012, assessments were made of the existing city facilities by local architectural firms: Phillips /



Sekanick Architects, Inc. and Baker, Bednar, Snyder & Associates, Inc.

A contract in the amount of \$545,800 has been awarded to Jack Gibson Construction of Warren for the **Central Fire Station** Project. The project includes roof replacement, HVAC improvements, window and door replacements, and other general improvements. The project is substantially complete and should be finalized in the spring of 2015.

A contract in the amount of \$573,457 has been awarded to SRI Roofing & Sheet Metal for the roof replacement on the **Operations Building** on Main Ave. The work should be completed in the spring. The plans, specifications and construction oversight are being provided by Phillips / Sekanick Architects.

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LOCAL PROJECTS

A contract in the amount of \$538,500 has been awarded to Warren Roofing & Insulating of Walton Hills, Ohio for the **Municipal Building** Roof Replacement Project. The temporary roof work is completed. The installation of insulating concrete has started and the final roof layering systems will be installed in the spring of 2015.

Baker, Bednar, Snyder & Associates are finalizing the plans and specifications for the **Municipal Building** Project. The project includes replacement of the aluminum window panels at the south side of the building, improvements to the vestibule at the south entrance of the building, reconstruction of the precast slab at the north entrance of the building, replacement of doors at the north and south



entrances, and other general improvements. The project will be put out to bid in 2015 with construction scheduled in the summer.

The city has hired ARCHI-TEKTON to prepare plans and specifications for improvements to the

Environmental Service Building. The project scope will include a pre-engineered sloped wood truss structure for the entire complex with gutters and downspouts. Improvements to the exterior façade will include block repair, overhead door replacement, and repairs to steel columns. HVAC



improvements will be completed. The plans and specifications should be completed in 2015 with construction planned for the summer.

The Engineering Department and the Law Department have discussed the best manner in proceeding with the needed improvements for the three buildings that comprise the **City Hall Complex**. “Design – Build” options are presently being considered so the city can procure a contractor and architect that have experience in restoring historic structures. The project will have a proposed budget of \$1,000,000.

Plans and specification will be prepared by the engineering department to resurface the **parking lots** at the Municipal Building, City Hall, and

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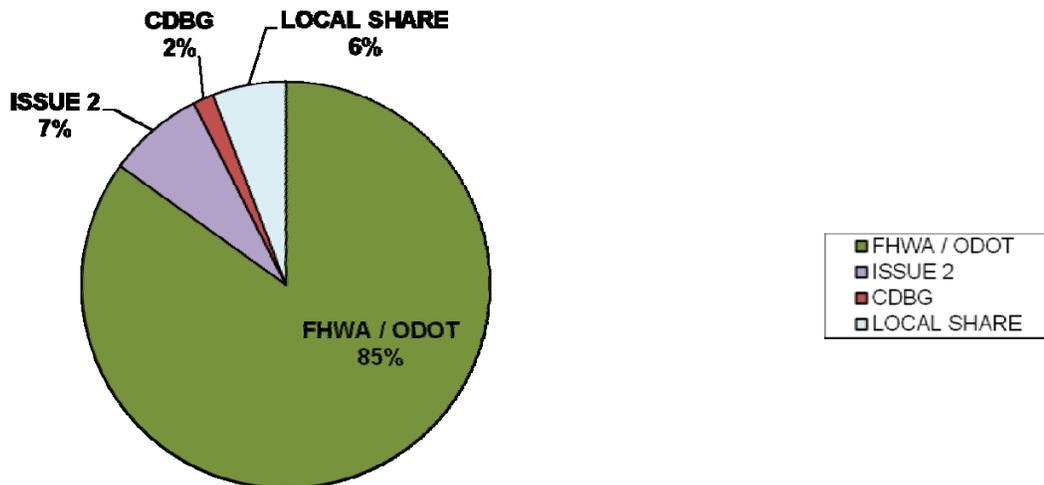


FUTURE PROJECTS

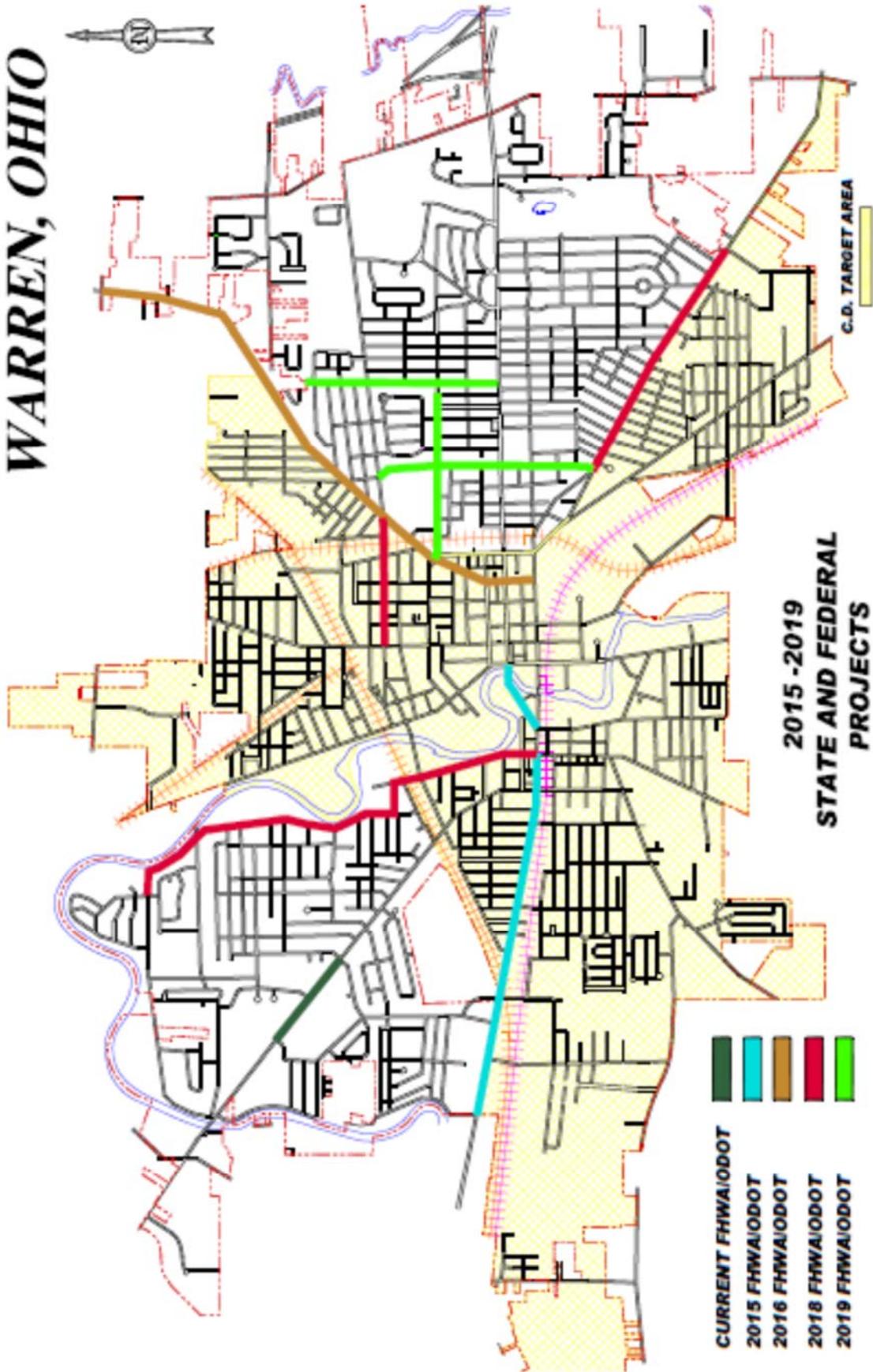
FUTURE PROJECT FUNDING 2014 - 2019

PROJECT	YEAR	FHWA / ODOT	ISSUE 2	CDBG	LOCAL SHARE	TOTAL COST
Warren Riverwalk Project	Current	\$1,100,000.00			\$0.00	\$1,100,000.00
Parkman Rd Reconstruction Ph 3	Current	\$3,213,206.00			\$114,206.00	\$3,327,412.00
Community Gateway Sign Project	Current	\$179,539.30			\$44,884.83	\$224,424.13
2014 City Arterial Reconstruction	2015		\$300,000.00		\$134,783.00	\$434,783.00
2015 City Arterial Reconstruction	2015		\$224,475.00	\$274,359.00		\$498,834.00
West Market Street Project	FY 2015	\$1,160,000.00	\$290,000.00			\$1,450,000.00
Youngstown Rd Ph 2 Engineering	FY 2015	\$240,000.00			\$60,000.00	\$300,000.00
Youngstown Rd Ph 2 Right of Way	FY 2015	\$80,000.00			\$20,000.00	\$100,000.00
Greenway Trailhead Project	FY 2016	\$266,000.00			\$66,500.00	\$332,500.00
Elm Road Resurfacing Project *	FY 2016	\$1,840,000.00	\$460,000.00			\$2,300,000.00
Youngstown Rd Ph 2 Construction	FY 2018	\$4,000,000.00				\$4,000,000.00
Tod / Atlantic Resurfacing Project *	FY 2018	\$900,000.00			\$225,000.00	\$1,125,000.00
Laird / Genesee / Woodland *	FY 2019	\$1,220,000.00			\$305,000.00	\$1,525,000.00
TOTALS		\$14,198,745.30	\$1,274,475.00	\$274,359.00	\$970,373.83	\$16,717,953.13

* Applications for federal funding have been authorized by Council and submitted to the MPO for consideration.



WARREN, OHIO



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FUTURE PROJECTS

PLANS & SPECIFICATIONS

The Engineering Division and their consultants are currently in the process of preparing plans and estimates for the following projects:

- ◆ Resurfacing Programs
- ◆ C.D.B.G. Sidewalk Programs
- ◆ Partial Depth Repairs
- ◆ Traffic Sign Replacements
- ◆ Crack Sealing Projects
- ◆ Utility Cut Repairs
- ◆ Warren Riverwalk/Mahoningside Project
- ◆ Youngstown Road Phase 2
- ◆ West Market Street Reconstruction
- ◆ City Arterial Road Reconstruction
- ◆ Elm Road Reconstruction
- ◆ Neighborhood Parks Projects
- ◆ Greenway Trailheads

Elm Road Reconstruction

Plans for this project are being prepared by the City of Warren's Engineering Division. It is scheduled for construction in the summer of 2016.

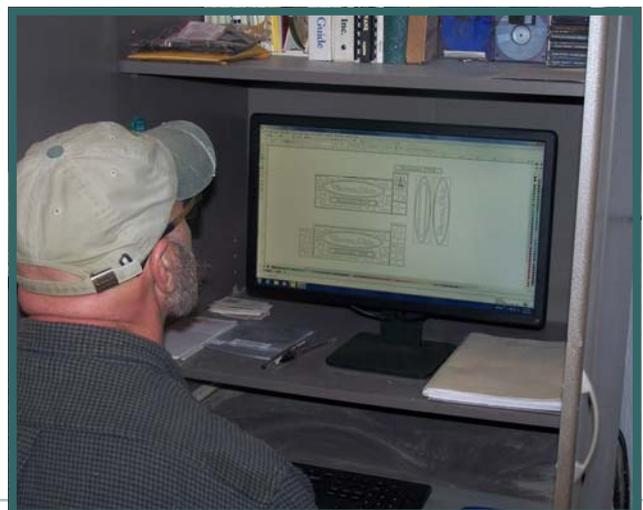
The project will consist of resurfacing 3.5 miles of Elm Road between South Street SE and the SR 5/82 bypass interchange. The project will include curb ramps, concrete repairs, manhole, inlet and water valve adjustments, pavement marking and signage. The estimated cost is \$2,300,000. Federal funds will cover 80% of the project's costs. The city will seek OPWC funds to assist with the 20% local share.

Applications for Federal Funding

The Engineering Division has submitted applications for federal funding to the Eastgate Regional Council of Governments for the following projects:

Tod Ave./Atlantic Resurfacing Project	\$1,125,000
Laird/Genesee/Woodland Resurfacing	\$1,525,000

These projects will be scheduled for 2017 through 2019.



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RECOMMENDATIONS

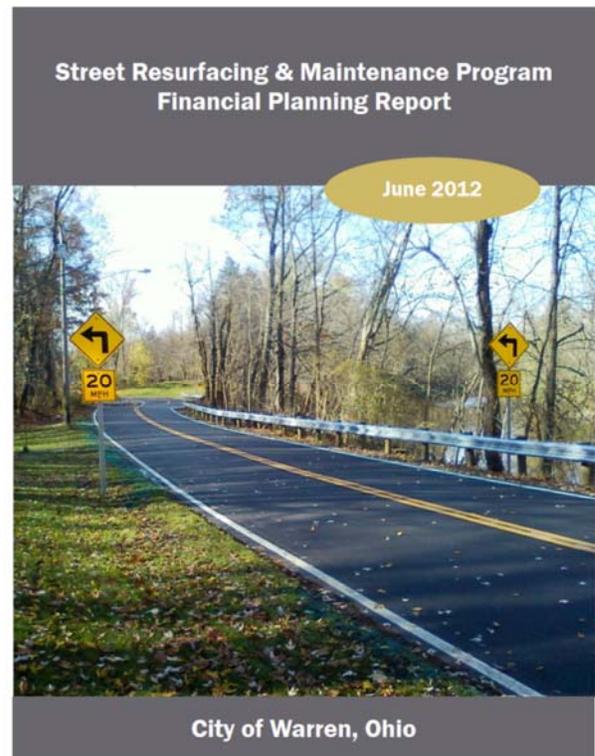
The Engineering, Planning & Building Department prepared the *Street Resurfacing & Maintenance Program Financial Planning Report* so city officials would have a realistic view of how much in revenues should be set aside each year for locally funded roadway improvements. The report documents the total 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 \$75,000 should be allocated on an annual basis to establish a **maintenance program**. The program will include partial depth pavement repairs and thin asphalt overlays, crack sealing, traffic sign replacements, guardrail repairs and other R/W 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 \$350,000 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 \$250,000 to \$300,000 per year is set aside for resurfacing roads located in target areas.
- ◆ Consideration should be given towards enacting the final \$5 **vehicle registration permissive tax** fee. The \$168,000 generated by the fee should be used exclusively for roadway resurfacing.

- ◆ The city should allocate a minimum of \$650,000 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 \$650,000 local allocation will need to be increased in the future to account for the added cost of inflation in the paving industry.

The creation of a capital improvement plan with dedicated sources of funding will assist the City of Warren in sustaining our road systems. Proper planning, prudent fiscal management, and the cooperation of the administration, council, staff members, and numerous citizen groups will be needed. The engineering department welcomes the opportunity to provide resources for providing quality services that address the needs of our residents in a cost efficient manner.



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