

2023-2024 Annual Report



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Miami County Engineer

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Honorable Board of Miami County Commissioners,

In compliance with section 5543.02 of the Ohio Revised Code, I am pleased to offer this 2023-2024 annual report for your review. This report provides you with details of our activities during 2023 regarding the maintenance of county-owned roads, bridges and culverts. Along with a description of completed projects, the report includes upcoming initiatives, with associated cost estimates, for 2024 and beyond.

Despite rising material costs, we had another busy and successful construction season in 2023. We had two special paving projects, the Troy-Urbana Road Resurfacing totaling 8.892 miles at a cost of \$1,313,533 (\$262,706 local funds) and the Washington Road South Resurfacing totaling 1.869 miles at a cost of \$390,339 (100% Federal CRRSAA Funds). With the annual Paving Program, another 13.706 miles were paved at a cost of \$1,893,722. I am pleased to report, with the help of the Federal funding received, we were able to pave a total of 24.467 miles of roadway in 2023.

Seven bridges were replaced in 2023 for a total cost of \$2,980,759. Two of the seven bridges were completed by Miami County Highway Department Personnel. The Childrens Home-Casstown Road Bridge No. 01.49 was replaced at a total cost of \$115,244.88. The Knouff Road Bridge No. 00.16 replacement was also completed by MCHD Personnel with a four-sided precast concrete box culvert at a total cost of \$138,374.72.

We kicked off the 2023 bridge construction season bidding the Owens Road Bridge No. 01.67. The replacement was bid in 2022 and awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio in January 2023. The existing steel truss bridge was replaced with prestressed concrete beams for a total cost of \$630,385.

The Tipp-Elizabeth Road Bridge No. 04.25 Replacement Project was bid in April and subsequently awarded to Sunesis Construction Co. of West Chester, Ohio in May. The total cost of the replacement project was \$532,100.56 and was 100% funded by Federal LBR funds.

On June 6, 2023 bids were received for the 2023 Miami County Bridge Package. The bridge package included the replacement of the Casstown-Sidney Road Bridge No. 04.95 and Union Church Road Bridge No. 03.31. On June 27, the project was awarded to Brumbaugh Construction, Inc. for \$998,250.00.

The Troy-Sidney Road Bridge No. 01.20 Replacement was bid on November 2, 2023. Brumbaugh Construction, Inc. submitted the lowest proposal at \$523,856.00 and was awarded the project. The existing structure was replaced with a single span prestressed box beam bridge at a total cost of \$565,428.97 and was funded 100% by CEAO funds. More detailed information about the 2023 bridge replacements and future projects can be found on page 4 of this report.

The Miami County Highway Department Personnel replaced 33 culverts in 2023 at a cost of \$319,431.58. More information about the culverts can be found on page 3.

Our largest bridge project for 2024 is the Peterson Road Bridge No. 00.05 Replacement which is currently underway. The existing prestressed concrete beam bridge over the Great Miami River is being replaced with a prestressed concrete I-beam bridge with a concrete deck. Bids for this project were opened on December 14, 2023 with the contract awarded to Brumbaugh Construction of Arcanum, Ohio in the amount of \$4,450,000. ODOT is performing the construction administration for this project. Construction began in February and is expected to last six months.

Please take a look at the information in this report to gain a more in-depth insight into our past accomplishments and future goals. If you have any questions about the duties or responsibilities of the County Engineer's Office, don't hesitate to contact me. As always, I appreciate the opportunity to serve you and the citizens of Miami County as your County Engineer.

Paul P. Huelskamp PE, PS

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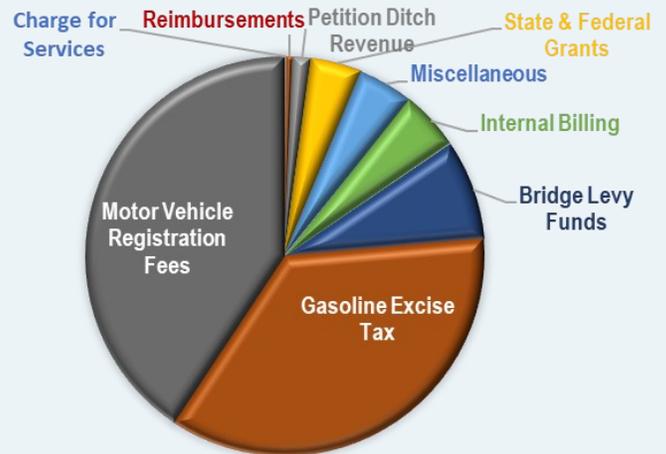
Finances

Funds to support the County Engineer operations come primarily from highway user fees like Motor Vehicle Registration Fees and Gasoline Excise Tax. In 2023, we received \$8,184,096 in such fees. Additional funds are generated through the Miami County Bridge Levy, which voters have supported since 1951 and was renewed again in 2020. Levy funds, which totaled \$871,466 in 2023, are used to build, maintain and repair the large number of bridges and culverts in the county.

Whenever possible, we apply for Federal grant money and Ohio Public Works Commission matching funds to maximize the use of county dollars to complete many projects that would otherwise be unaffordable. In 2023, we secured \$438,136 in State Grant funds and \$1,980,024 in Federal funds. A breakdown of our 2023 Revenues and Expenditures is shown below.

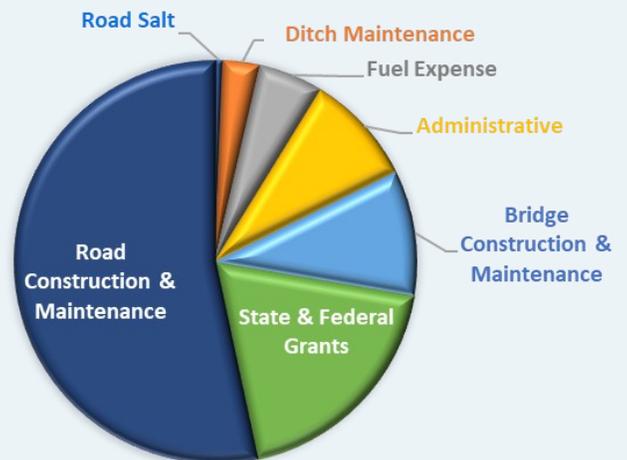
REVENUE

		2023	2022 Comparison
Motor Vehicle Registration Fees	41%	\$4,356,728	\$4,290,237
Gasoline Excise Tax	36%	\$3,827,368	\$3,700,502
Bridge Levy Funds	8%	\$871,466	\$847,841
Internal Billing	5%	\$512,783	\$587,861
Miscellaneous (Refunds, interest, etc.)	5%	\$482,403	\$457,473
Petition Ditch Revenue	1%	\$156,472	\$170,270
Reimbursements	1%	\$56,550	\$56,606
Charge for Services	<1%	\$12,504	\$19,091
SUB-TOTAL		\$10,276,274	\$10,129,881
State & Federal Grants (Direct Payments)	4%	\$438,136	\$1,009,839
TOTAL	100%	\$10,714,410	\$11,139,720



EXPENDITURES

		2023	2022 Comparison
Road Construction & Maintenance	53%	\$6,801,245	\$7,738,395
Bridge Construction & Maintenance	10%	\$1,276,068	\$2,336,077
Administrative	9%	\$1,137,281	\$1,079,835
Fuel Expense	5%	\$661,769	\$747,935
Road Salt	1%	\$77,985	\$146,973
Ditch Maintenance	3%	\$377,133	\$68,493
SUB-TOTAL		\$10,331,481	\$12,117,708
State & Federal Grants (Direct Payment)	19%	\$2,418,160	\$1,099,839
TOTAL	100%	\$12,749,641	\$13,217,547



2023 MAJOR VEHICLE AND EQUIPMENT PURCHASES

NEW VEHICLES AND EQUIPMENT	DEPARTMENT	COST
Two 2024 Tandem Axle Dump Trucks	Highway	\$490,578
Two New ODOT Style Snow Plows	Highway	\$38,646
One 2023 Chevy Silverado 15 Pickup	Office	\$49,285
One New Crafcro Supershot Crack Sealer	Highway	\$71,555
One New Mower Max Boom Mower	Ditches	\$274,707
One Pipe Inspection System (remote camera)	Highway	\$12,790



Roads

The Miami County Highway Department is responsible for maintaining the 419.384 miles of highway that is under the jurisdiction of this office. In addition to asphalt paving, county crews utilize various patching and sealing activities to extend pavement life. One such method is through the use of “crack sealing”. This method utilizes a hot bituminous tar, applied directly to a crack, to prevent water from infiltrating the pavement and causing further deterioration. We also utilized “cold patch” material to fill in potholes to provide better rideability and prevent pothole growth and further pavement deterioration. The more aggressive we can be with both applications will help to prevent larger maintenance projects for those roads until they can be resurfaced. Each year our maintenance crews also complete numerous berm and spot repairs as needed.

The 2023 paving program resulted in 13.706 miles of county highways being resurfaced with asphalt concrete by the John R. Jurgensen Company at a cost of \$1,893,722. Roads resurfaced in the 2023 paving program included portions of County Road 25A South, Eldean, Evanston, Farrington, Hardin, Landman Mill, Lauver, Loy, and Monroe-Concord East. As a cost-savings measure, townships are invited to bid out their resurfacing needs in conjunction with the County Engineer’s Office. As a result, four of the twelve townships resurfaced 4.125 miles of township roadways at a total cost of \$688,973.73.

Another way to treat pavement surfaces that have more severe deterioration is to chip seal over the entire roadway. In 2023, we contracted with Ray Hensley, Inc. of Springfield, Ohio to chip seal 10.475 miles of roadway. These included portions of Bausman, Casstown-Fletcher, Rakestraw, and Sugar Grove. Each road receives a treatment of MC-3000 at 0.40 gal/SY and #8 Stone at 25#/SY. The total project cost for the chip seal program was \$253,856.64. As with the paving program, townships are invited to bid out their chip seal needs in conjunction with the County Engineer’s Office. As a result, one township was included on the chip seal program for a total of 3.605 miles at a cost of \$90,709.02.

As recited on page 1, in 2023, we had several special projects including two paving projects resulting in an additional 10.761 road miles being paved in 2023. Troy-Urbana Road was paved from Deweese Road to the Champaign County Line (8.892 miles) at a total cost of \$1,313,533; of that, \$262,706 (20%) was the local share and the remaining \$1,050,827 (80%) was funded by CEAO STP funds. Paving and striping was completed in early July. The second special paving project was Washington Road from SR718 to SR41 (1.869 miles). The total project cost was \$390,339 and was 100% paid by Federal CRRSAA Funds MVRPC. The project was completed in mid-October. Both paving projects were awarded to John R. Jurgensen Company of Springfield, Ohio. You will find our future paving projects on page 7 of this report.



Eldean Road Widening

CULVERTS

In 2023, our culvert crew replaced 33 structures at a total cost of \$319,432. Seven structures were replaced due to advanced deterioration of the metal pipe. Twenty-three metal and clay culverts were replaced on roads which were scheduled to be resurfaced, to avoid having to cut into any new roadway in the foreseeable future.

Four of the larger culvert replacements in 2023 were in Concord, Newton, and Brown Townships. Our county crews replaced three culverts on Monroe-Concord Road. Culvert No. 0.449 involved replacing 56 L.F., each, of twin 29”x45” culverts at a cost of \$31,799. On Penny Road, in Newton Township, our crews replaced Culvert No. 0.071 with 48 L.F. of 48” RCP at a cost of \$24,420. Also on Penny Road, Miami County crews replaced Culvert No. 1.458 with 40 L.F. of 60” RCP for a cost of \$29,213. In Brown Township, Lena-Palestine Road Culvert No. 0.589 was replaced with 40 L.F. of 24”x38” RCP. At this culvert crossing, there is also a tile crossing. The tile then runs along the side ditch to Leatherwood open ditch. After replacing the culvert, over 600 L.F. of tile was replaced with 12” HP Storm tile and three catch basins installed, the cost of the project was \$24,520.

Other roads receiving culvert replacements were Hardin Road, Landman Mill Road, Lostcreek-Shelby Road, Loy Road, and Washington Road. In 2024, we anticipate replacing 13+ culverts as part of our on-going culvert upgrade program.

Bridges



We continue to rely heavily on funds generated through the Miami County Bridge Levy to accomplish the goals of the department related to bridge construction and repair. The Miami County Bridge Levy Renewal was approved by the voters during the November Election of 2020. Our thanks to the voters and taxpayers of Miami County for their continued support of this vital funding stream. As always, our commitment is to seek out and use all available resources to insure the continued serviceability and safety of our county-wide bridge system.

Seven bridges were replaced in 2023 for a total cost of \$2,980,759. Two of the seven bridges were completed by Miami County Highway Department Personnel. The Childrens Home-Casstown Road Bridge No. 01.49 was replaced with concrete beams constructed in-house at a total cost of \$115,244.88. The Knouff Road Bridge No. 00.16 was also completed by MCHD Personnel with a four-sided precast concrete box culvert which was bid out and awarded to Proflex Construction Supplies, LLC of Cincinnati, Ohio in an amount of \$87,777. The total cost to replace the bridge including the box culvert was \$138,374.72.

As mentioned on the cover page of this report, the Owens Road Bridge No. 01.67 was replaced in 2023. The replacement was bid in 2022 and awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio in January 2023. Construction started in February and was completed in April. The existing steel truss bridge was replaced with prestressed concrete beams for a total cost of \$630,385 (\$230,385 Local; \$400,000 OPWC).

The Tipp-Elizabeth Road Bridge No. 04.25 Replacement Project was bid in April and subsequently awarded to Sunesis Construction Co. of West Chester, Ohio in May. The existing concrete beam bridge was replaced with a new four-sided box. Construction began in early August and completed late October. The total cost of the replacement project was \$532,100.56 and was 100% funded by Federal LBR funds.

On June 6, 2023 bids were received for the 2023 Miami County Bridge Package. The bridge package included the replacement of the Casstown-Sidney Road Bridge No. 04.95 and Union Church Road Bridge No. 03.31. The project was awarded to Brumbaugh Construction, Inc. on June 27 in an amount of \$998,250.00. The total cost of the Casstown-Sidney Bridge was \$609,583.70 and the Union Church Bridge was completed at a total cost of \$389,641.50.

The Troy-Sidney Road Bridge No. 01.20 Replacement was bid on November 2, 2023 with six proposals being received for the project. Brumbaugh Construction, Inc. submitted the lowest proposal at \$523,856.00 and was awarded the project. The replacement project was funded by 100% by CEAO funds. The existing structure was replaced with a single span prestressed box beam bridge with a deck width of 32 feet and an overall length of 80 feet at a total cost of \$565,428.97.

2024 Replacement Projects:

- Kessler-Frederick Road Bridge No. 00.06 Replacement, this structure is in poor overall condition due to the deterioration of the concrete deck and will be replaced by 44'-0" L.F. of 20'x9' four-sided precast concrete box culvert. The estimated cost is \$850,000 (58% Local Funds, 42% OPWC)
- Lost Creek-Shelby Road Bridge No. 00.11 Replacement, an existing single span steel beam structure with a timber deck, will be replaced with a prestressed box beam bridge. The estimated cost is \$458,127. (100% Local Funds)
- Lena-Palestine Road Bridge No. 00.72 Replacement, an existing steel beam bridge, will be replaced with a 20'x7' four-sided precast concrete culvert. The estimated cost is \$150,000 (100% Local Funds)
- Tipp-Elizabeth Road Bridge No. 02.62 Replacement, an existing steel beam bridge with a timber deck, will be replaced with four-sided precast concrete culvert. The estimated cost is \$200,000 (100% Local Funds)
- Peterson Road Bridge No. 00.05 Replacement, an existing prestressed concrete beam bridge over the Great Miami River, will be replaced with prestressed concrete I-beam bridge with a concrete deck. Bids for this project were opened on December 14, 2023 with the contract awarded to Brumbaugh Construction of Arcanum, Ohio in the amount of \$4,450,000. (80% Federal LBR Funds, 20% Bridge Credit/OPWC). ODOT will be handling the construction administration for this project with construction beginning in February.

Services

SIGN DEPARTMENT

Every 3 years, an inspection of the County's traffic signs takes place to determine the nighttime visibility (retro reflectivity) of the sign inventory. In order to determine the traffic signs that needs replaced, the County's sign department conducts a Visual Nighttime Inspection which includes a survey of the entire sign inventory during nighttime hours. In 2023, a Visual Nighttime inspection was completed and the process of replacing signs that have been determined to have low retro reflectivity has begun. In 2023 the Miami County Sign Shop replaced a total of 277 signs that had non-compliant reflectivity on County and Township roads.

In addition to the above-mentioned sign replacements, our sign department replaced or reset approximately 644 signs in 2023. Of these 644 signs, roughly 138 were replaced due to traffic accidents, 56 due to vandalism, 216 for routine maintenance, and 16 due to weather related incidents. The remainder of the signs were replaced due to continual maintenance and upgrades to our sign inventory.



MOWING & SPRAYING

In 2023, pursuant to Section 5579.04(B) of the Ohio Revised Code which states in part, “. . . county engineers . . . shall destroy all brush, briars, burrs, vines, noxious weeds . . . growing within the limits of a county road within their jurisdiction, our county crews met the mowing requirements completing multiple rounds of mowing for approximately 380+/- miles. This was accomplished by crews utilizing our fleet tractors that are equipped with side mount and rear offset mowers. The two mowers allow our crews to make one complete pass versus the previous two passes that were required to reach the right-of-way limits, fence or crop line. Our crews also mowed 146.59 acres of petition drainage ditches, utilizing in-house equipment and resources.

For our annual spray programs, we rely solely on contracted services. We contracted with Vegetation Tech LLC of Troy, Ohio to spray 146.59 acres of agricultural ditches for \$25,147. Vegetation Tech also sprayed 97,371 lineal feet of guardrail for \$8,276. The Daltons Inc. of North Webster, Indiana sprayed 380+/- miles of roadside ditches at a total cost of \$30,756.

In 2023, \$56,450 was spent on tree removal services along county highway roads. Removing old trees that are within the road right-of-way helps to preserve the roads as they can better dry out after rain event. Removing trees close to the driving surface also improves sight distance for the traveling public.

SNOW & ICE REMOVAL

As of February 26, 2024, the total cost of the 2023-2024 winter season, including labor, equipment and materials, stands at \$194,211.61. This is about \$28,000 higher than the 2022-2023 winter season. Our first snow event of the season occurred on 12/28/23 and the last snow event was on 2/24/24. Snow fighting crews logged a total of 1,362 hours in action (including regular and overtime hours) at a cost of \$45,447.76; equipment costs for that period were \$10,518.80; and material costs (including salt, grits, and fuel) were \$138,245.05).

The price per ton of rock salt climbed \$7.00 per ton over the previous winter season to \$85.47. Once again this year, we will bid our rock salt purchase through the Southwest Ohio Purchasers for Ohio (SWOP4G). Although we have had broadly fluctuating temperatures, we did not experience lengthy extreme cold periods. This plays an important role in the condition of our older roads moving forward into spring. Having fewer freeze/thaw cycles will likely reduce the amount of surface road maintenance e.g. crack sealing and cold mix patching our road crews will need to perform as the weather breaks.

PAVEMENT MARKING

In 2023, we utilized contracted services to complete our edge line and center line markings on both county and township roads. We contracted with The Aero-Mark Company LLC of Streetsboro, Ohio to complete center line marking on 107 road miles of county highway and 65 miles of township highway at a cost \$83,420. Aero-Mark also edge lined 213 line miles of county highway and 131 miles of township highway at a cost of \$155,832. Four of the county roads resurfaced in 2023 required miscellaneous markings including lane arrows, channelizing lines, stop bars, transverse lines, etc. adding an additional \$27,211 to the pavement marking program. Most of the county-maintained roads are on a three-year striping schedule.

Drainage

	Ditch Name	No.	Total Cost of Ditch (Construction Base)	Typical Annual Expenses	Proposed Actual Maintenance Collection
	Agenbroad	852	\$68,420.78	New Const.	\$3,422.19
**	Beard	807	\$10,882.87	\$3,650.00	\$3,507.91
*	Caldwell	849	\$429,990.86	\$4,400.00	\$5,381.51
*	Cottingham	814	\$241,756.02	\$5,800.00	\$7,255.13
**	Dye Mill	805	\$22,784.03	\$6,450.00	\$8,165.98
*	Free-Stine	851	\$252,280.24	\$5,300.00	\$2,526.19
**	Freshour	841	\$11,916.90	\$2,400.00	\$1,430.03
**	Frosty-Landis	806	\$34,097.66	\$3,000.00	\$3,426.05
* **	Gallamar	850	\$98,702.80	\$5,350.00	\$4,935.98
	Gallamar Special	850	\$98,702.80	\$5,350.00	\$1,399.37
* **	Hartstein-Sweitzer	829	\$25,143.74	\$3,850.00	\$4,525.87
	Harwood	818	\$207,656.09	\$34,450.00	\$17,650.77
	Helmick-Harlacher	833	\$37,225.01	\$4,600.00	\$4,094.75
	Lane-Hathaway	842	\$18,901.11	\$5,350.00	\$2,646.16
**	Leonard	811	\$50,281.90	\$25,700.00	\$20,336.77
	Lutheran Rd. Grp. Jt.		Mont.	Mont.	\$522.12
**	Marsh	817	\$9,777.84	\$2,000.00	\$2,444.46
	Mohler Jt.		Mont.	Mont.	\$4,983.65
	Mumford Group	846	\$68,543.11	\$1,200.00	\$1,377.59
	Pemberton	843	\$18,708.50	\$5,100.00	\$2,245.94
*	Reeder	838	\$39,157.81	\$3,600.00	\$4,700.72
**	Reighard	824	\$12,011.01	\$2,400.00	\$3,603.30
	Shelby County Jt.		Shelby	Shelby	\$7,003.30
	Swales Run	844	\$53,550.00	\$750.00	\$374.85
*	Troy-Concord	821	\$333,973.20	\$24,500.00	\$24,939.91
*	Wauger Branch	808	\$578,446.32	\$9,000.00	\$13,313.32
**	Welsch	826	\$18,664.96	\$4,100.00	\$2,799.74
			Total		\$155,591.36
Note: * Indicates changes in collection percentages for 2024					
** Construction base needs re-evaluated.					

Annual assessments are collected to finance on-going maintenance on 27 ditches in Miami County (see chart at left). These assessments are collected from adjacent landowners who benefit from the drainage improvement. State law limits ditch fund maintenance reserves to a set percentage of the construction cost of the ditch. Ten ditches (double asterisk) require review of their approved construction base because the annual collection does not provide sufficient funding to maintain the completed project. In many cases, this approved construction base is decades old with no adjustments for inflation ever being made. Many of these same ditches are also in need of work which goes beyond the scope of routine maintenance (i.e. mowing and spraying). Until the construction base is raised, additional funds cannot be collected to cover the additional work needed. Review of the construction base for the Beard, Hartstein-Switzer, and Reighard ditches is anticipated in 2024. Resource limitations will determine if the review of these and other ditches (double asterisk) listed will be completed in 2024.

Routine ditch maintenance includes mowing and weed-spraying, but occasionally a drainage-way may require a cleanout or more extensive repair to restore drainage efficiency. In 2023 the Cottingham, Free-Stine, Troy-Concord, Wauger and several other ditches required such repairs. In 2024 we anticipate that 14 of the 27 ditches listed at the left may require some sort of maintenance exceeding the norm, including ditch crossing replacement, tree and brush removal, open ditch cleanout, and tile main and/or spur repair/replacement. Soaring material prices and other limitations continue to negatively affect our ability to complete planned ditch maintenance activities.

The plans and specifications for a sectional replacement of the Harwood Ditch No. 829 tile main have been completed. This first section will be advertised for public bid, with alternates in an effort to effectively utilize the maintenance assessments collected from properties within the Harwood Watershed. The first of this sectional replacement is intended to be completed in 2024-2025.

The safety of personnel, mowing efficiency, and equipment functionality were influential in the decision to purchase a Mower Max sidearm "boom-type" mower with additional front-mount rotary mower in 2023. A lower center of gravity, multiple steering modes, and all-wheel drive will improve operator safety. We look forward to utilizing the Mower Max as the primary maintenance ditch mower in 2024. The Mower Max is pictured on page 8.



Federal / State Funded Projects

ROADS

WASHINGTON ROAD RESURFACING PROJECT Year: 2024 Total Cost: \$614,000

This project consists of paving Washington Road from the State Route 41 to Drake Road.

Local Share: \$122,800 (20%) Other Funding: \$491,200 - CEAO STP (80%)

LOONEY ROAD RESURFACING PROJECT Year: 2024 Total Cost: \$833,403

This project consists of paving Looney Road from the State Route 36 to County Road 25A

OPWC: \$300,000 Other Funding: \$597,507 – MVRPC STP

COUNTY ROAD 25A RESURFACING PROJECT Year: 2027 Total Cost: \$1,500,000

This project consists of paving County Road 25A from the Tipp City Corp Limits to the Troy City Corp Limits.

Local Share: \$375,000 (25%) Other Funding: \$1,125,000 – MVRPC STP (75%)



BRIDGES

PETERSON ROAD BRIDGE NO. 00.05 Year: 2024 Total Cost: \$4,450,000

This project consists of replacing the existing bridge over the Great Miami River.

OPWC: \$222,500 (5%) Bridge Credit: \$667,500 (15%) Other Funding: \$3,560,000 - CEAO LBR (80%)

GARNSEY STREET BRIDGE Year: 2027 Total Cost: \$2,614,229

This project consists of bridge deck replacement with structural steel painting.

Local Funding: \$130,711 (5%) Federal Funding: \$2,483,518 – Local Major Bridge Program (95%)

PIQUA-LOCKINGTON ROAD BRIDGE NO. 02.56 Year: 2028 Total Cost: \$4,800,000

This project consists of replacing the existing bridge over the Great Miami River.

OPWC: \$240,000 (5%) Bridge Credit: \$720,000 (15%) Other Funding: \$3,840,000 - CEAO LBR (80%)

TAX MAP

The Tax Map Department draws and maintains tax maps for over 53,600 parcels of land in Miami County. A tax map shows the shape, size, area, and owner of each parcel of land, and is used by the County Auditor to determine property taxes used to support local school districts. All tax maps, land/lot survey records, and record plats, a total of over 27,000 documents currently, are individually scanned so that digital copies are available by request via e-mail. Currently, all tax maps, Land Survey records, Lot Survey records, and Recorded Plats are available on Miami County's website. As always, however, if personal assistance is desired, Tax Map personnel stand ready to serve the public's needs in accessing and navigating property documents and surveys from their office on the first floor of the Miami County Safety Building.

In addition to tax map work, multiple County departments call on the Map Department for special mapping projects from time to time. Members of the staff have updated and are maintaining township right-of-way maps, showing legal widths of all township and county roads. Also, in 2023, the department reviewed the content and mathematical accuracy of 138 boundary surveys, many of which are multiple tracts. 136 surveys were filed for record with the County Engineer, some of which had been reviewed in the previous year. The department also reviewed and checked the mathematical accuracy of more than 60 Recorder's Plats, which consist primarily of residential and commercial subdivisions, street and alley vacations, annexations, and right-of-way plans of road projects. A total of 54 Record Plats were recorded in 2023, as well as a number of sets of road/highway plans. Finally, the department reviewed the legal descriptions of every property transferred in Miami County, where over 5100 deeds, affidavits, and Certificates of Transfer were recorded, each one containing one or more legal descriptions requiring review by the department. This number does not include descriptions which were reviewed strictly for title purposes.



NEW FUEL ISLAND 2023



The switchover from the old fuel island to the new fuel island was made on July 26, 2023. Once the old pumps were decommissioned, the old island was excavated and the product lines were removed. EPA testing was performed to ensure there was no contamination where the product lines and the old tanks were. Once the testing was completed, the concrete pad that encompasses the dispensers was completed along with an asphalt approach and an overlay surrounding the pad. The new fuel island project was substantially completed in October, 2023. I would like to thank all the drivers who use the county fuel island for their patience during the construction project.

183,000

Approximate gallons of gasoline used in 2023

