

Miami County Engineer's Annual Report

Paul P. Huelskamp, PE, PS, Miami County Engineer

2024 - 2025

March 2025



Honorable Board of Miami County Commissioners,

In compliance with section 5543.02 of the Ohio Revised Code, I am pleased to offer this 2024-2025 annual report for your review. This report provides you with details of our activities during 2024 regarding the maintenance of county-owned roads, bridges and culverts. Along with a description of completed projects, the report also includes upcoming initiatives, with associated cost estimates, for 2025 and beyond.

We had another busy construction season in 2024 with the earliest project starting in February and construction continuing into early December. In 2024, we had one special paving project, Washington Road Resurfacing from SR 41 to the Piqua Corp Limits totaling 4.25 miles at a cost of \$605,846 (\$480,000 Federal STP Funds through MVRPC) and \$125,846 local funds. With the annual Paving Program, another 14.786 miles were paved at a cost of \$1,725,281. I am pleased to report, with the help of the Federal funding received, we were able to pave a total of 19.036 miles of roadway in 2024.

Four bridges were replaced in 2024 for a total cost of \$5,731,751. One of the four bridges was completed by Miami County Highway Department Personnel. The Tipp-Elizabeth Road Bridge No. 02.62 was replaced at a total cost of \$221,584. The existing steel beam structure was replaced with a four-sided precast concrete box culvert.

The Lostcreek-Shelby Road Bridge No. 00.11 was bid on March 19, 2024 with construction being completed in June 2024. The single span steel beam bridge with a wood deck was replaced with a single span prestressed box beam bridge. The project was awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio. The total cost of the bridge replacement was \$427,949.

Both the Kessler-Frederick Road Bridge No. 00.06 and the Tipp-Elizabeth Road Bridge No. 06.63 replacement projects were bid in October 2024. The Kessler-Frederick Bridge was awarded to Eagle Bridge Co. of Sidney, Ohio in November 2024 and will begin construction in 2025. Tipp-Elizabeth Bridge was awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio with construction beginning in October 2024 and completed in December 2024. More detailed information about the 2024 bridge replacements and future projects can be found on page 4 of this report.

The largest bridge project in 2024 was the Peterson Road Bridge No. 00.05 Replacement. The existing prestressed concrete beam bridge over the Great Miami River was replaced with a prestressed concrete I-beam bridge with a concrete deck. The project was awarded to Brumbaugh Construction of Arcanum, Ohio in the amount of \$4,450,000. ODOT performed the construction administration for the project. Construction began in February 2024 and was completed in late August 2024 for a total cost of \$4,515,529. The replacement project was funded 80% with Federal LBR Funds, and 20% Bridge Credit/OPWC.

The Miami County Highway Department Personnel replaced 31 culverts in 2024 at a cost of \$335,325. More information about the culverts can be found on page 3.

After the successful completion of the new Miami County Fuel Island in 2023, our office, in conjunction with the Board of Miami County Commissioners, embarked on another project in 2024 to replace the old salt storage building. More information regarding the new salt storage building can be found on page 8.

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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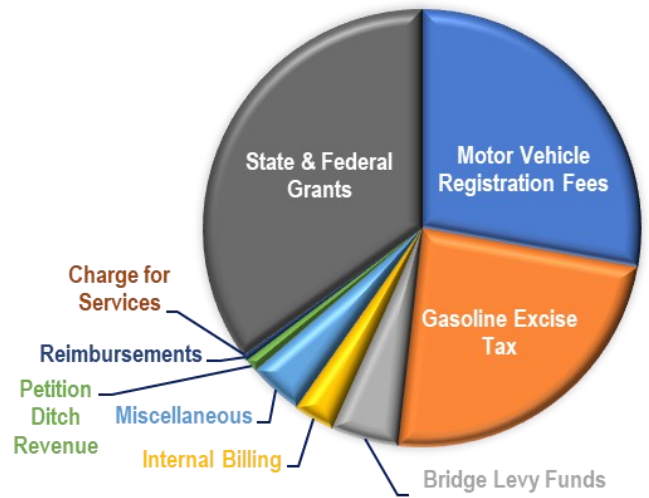
FINANCES

Funds to support the County Engineer operations come primarily from highway user fees like Motor Vehicle Registration Fees and Gasoline Excise Tax. In 2024, we received \$8,368,873 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 \$891,169 in 2024, 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 2024, we secured \$225,776 in State Grant funds and \$5,444,170 in Federal funds. A breakdown of our 2024 Revenues and Expenditures is shown below.

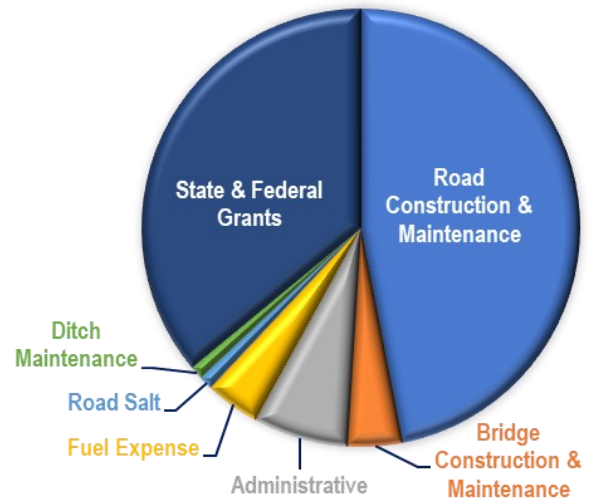
REVENUE

	Percentage	2024	2023
Comparison			
Motor Vehicle Registration Fees	28%	\$4,497,128	\$4,356,728
Gasoline Excise Tax	24%	\$3,871,745	\$3,827,368
Bridge Levy Funds	5%	\$891,169	\$871,466
Internal Billing	3%	\$495,751	\$512,783
Miscellaneous (Refunds, interest, etc.)	4%	\$620,726	\$482,403
Petition Ditch Revenue	1%	\$163,875	\$156,472
Reimbursements	<1%	\$68,960	\$56,550
Charge for Services	<1%	\$7,800	\$12,504
SUB-TOTAL		\$10,617,154	\$10,276,274
State & Federal Grants (Direct Payments)	35%	\$5,669,946	\$438,136
TOTAL	100%	\$16,287,100	\$10,714,411



EXPENDITURES

	Percentage	2024	2023
Comparison			
Road Construction & Maintenance	47%	\$7,423,246	\$6,801,245
Bridge Construction & Maintenance	4%	\$615,020	\$1,276,068
Administrative	7%	\$1,097,209	\$1,137,281
Fuel Expense	4%	\$575,857	\$661,769
Road Salt	1%	\$230,858	\$77,985
Ditch Maintenance	1%	\$76,636	\$377,133
SUB-TOTAL		\$10,018,826	\$10,331,481
State & Federal Grants (Direct Payment)	36%	\$5,669,946	\$2,418,160
TOTAL	100%	\$15,688,772	\$12,749,641



2024 MAJOR VEHICLE AND EQUIPMENT PURCHASES

NEW VEHICLES AND EQUIPMENT	DEPARTMENT	COST
Two 2025 Single Axle Dump Trucks	Highway	\$474,893
Two New ODOT Style Snow Plows	Highway	\$38,677
One Track Skid Load with Cold Planer	Highway	\$139,063
Two John Deere 6110M Cab Tractors	Highway	\$156,289
Two 75" Side Mount & Two 102" HD Offset Flail Mowers	Highway	\$98,390



ROADS

The Miami County Highway Department is responsible for maintaining the 419.314 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 completes numerous berm and spot repairs as needed.

The 2024 paving program resulted in 14.786 miles of county highways being resurfaced with asphalt concrete by the John R. Jurgensen Company at a total cost of \$1,725,281. Roads resurfaced in the 2024 paving program included portions of Childrens Home-Casstown, Ginghamburg-Frederick, Penny, Peters, Thomas and Troy-Sidney. 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, six of the twelve townships resurfaced 6.578 miles of township roadways at a total cost of \$1,030,753.

Another way to treat pavement surfaces that have more severe deterioration is to chip seal over the entire roadway. In 2024, we contracted with Henry W. Berman Inc. of Genoa, Ohio to chip seal 16.30 miles of roadway. These included portions of Casstown-Clark, Casstown-Sidney, Emerick, Iddings, Kessler-Cowlesville, Laughman, Lefevre, McNeal and Pemberton. New in 2024, each county road received a treatment of MC-3000 at 0.60 gal/SY and #67 Stone at 38#/SY. This is a heavy duty application of chip seal to improve the strength and structural integrity of the roadway. The total project cost for the chip seal program was \$497,104. 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, two townships were included on the chip seal program for a total of 2.802 miles at a cost of \$86,024.

As recited on page 1, in 2024, we had one special paving project resulting in an additional 4.25 road miles being paved in addition to the annual paving program. Washington Road was paved from SR 41 to the Piqua Corp Limits at a total cost of \$605,846; of that, \$125,846 (20%) was the local share and the remaining \$480,000 (80%) was funded by Federal STP Funds through MVRPC. The project was awarded to and completed by Barrett Paving Materials, Inc. of Franklin, Ohio. You will find future paving projects on page 7 of this report. Below is a historic material prices chart showing how pertinent material costs haven changed over the past ten years.

MATERIAL	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% OF CHANGE 2015-2024	% OF CHANGE 2023-2024
Diesel Fuel (per gallon)	\$2.04	\$1.74	\$2.02	\$2.52	\$2.40	\$1.97	\$2.61	\$4.26	\$3.60	\$2.93	44%	-19%
Gasoline (per gallon)	\$2.00	\$1.79	\$1.92	\$2.20	\$2.18	\$1.61	\$2.44	\$3.35	\$2.84	\$2.59	30%	-9%
448 Asphalt (per ton)	\$69.00	\$64.10	\$67.00	\$70.30	\$70.00	\$71.00	\$78.60	\$97.00	\$107.00	\$107.00	55%	0%
Centerline Paint (per road mile)	\$267.00	\$269.00	\$261.00	\$262.50	\$306.50	\$335.00	\$362.00	\$537.00	\$485.00	\$489.00	83%	1%
Salt (per ton dumped)	\$70.01	\$55.89	\$50.44	\$89.95	\$89.95	\$48.84	\$58.84	\$78.47	\$85.47	\$62.68	-10%	-27%
Edge Line Paint (per lane mile)	\$246.00	\$246.00	\$245.00	\$252.00	\$278.00	\$315.00	\$324.00	\$496.00	\$453.00	\$455.00	85%	1%
#304 Gravel (per ton)	\$7.50	\$7.80	\$8.55	\$8.75	\$8.75	\$9.25	\$9.25	\$11.50	\$13.50	\$16.00	113%	19%
Concrete (Class C per CY)	\$87.75	\$91.75	\$96.75	\$100.75	\$114.00	\$114.00	\$118.00	\$142.00	\$151.00	\$152.00	73%	1%
#411 Gravel (per ton)	\$7.25	\$7.25	\$8.75	\$9.25	\$9.00	\$9.50	\$8.90	\$11.00	\$12.25	\$16.00	121%	31%
Concrete (Class S per CY)	\$91.75	\$95.75	\$100.75	\$104.75	\$120.00	\$120.00	\$124.00	\$136.00	\$151.00	\$159.00	73%	5%

CULVERTS

In 2024, our culvert crews replaced 31 structures at a total cost of \$335,325. This year, 13 maintenance culverts were replaced and 18 culverts were upgraded on roads scheduled to be resurfaced.

County culvert crews installed 43”x68” elliptical concrete pipe at the three largest culvert replacements this year. On McNeal Road, Culvert No. 0.260, in Elizabeth Township, 28 L.F. was installed at a cost of \$22,905. At Kessler-Cowlesville Road Culvert No. 0.892, in Union Township, 36 L.F. of 43”x68” pipe was installed at a cost of \$28,470. On Stichter Road, Culvert No. 1.164, in Newton Township, 36 L.F. of 43”x68” elliptical concrete pipe replaced a failing CMP arch at a cost of \$38,400.

In cooperation with ODOT, four culverts were replaced under county roads within ODOT right of way in 2024. ODOT supplied the pipe for these locations. The Miami County Highway Department provided the labor and miscellaneous supplies.

In 2025 we anticipate replacing 25 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.

Four bridges were replaced in 2024 for a total cost of \$5,731,751.06. One of the four bridges was completed by Miami County Highway Department Personnel. The Tipp-Elizabeth Road Bridge No. 02.62 was completed by MCHD Personnel with a four-sided precast concrete box culvert. The box culvert was bid out and awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio in an amount of \$122,588. The total cost to replace the bridge including the box culvert was \$221,583.93.

As mentioned on the cover page of this report, the Peterson Road Bridge No. 00.05 was replaced in 2024. This replacement was bid in 2023 through ODOT and awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio. Construction started in February and was completed in late August. The existing prestressed box beam bridge was replaced with prestressed concrete I-beams for a total cost of \$4,515,529.13 (\$4,289,752.69 Federal; \$225,776.44 OPWC and \$0 local funds).

The final two bridges of the 2023 Miami County Bridge Package were bid in 2024. The bridge package included the replacement of the Lostcreek-Shelby Road No. 00.11 which was bid in March and subsequently awarded to Brumbaugh Construction, Inc. The final cost for this replacement was \$427,949. The final bridge of the 2023 Bridge Package was the Tipp-Elizabeth Road Bridge No. 06.63. The project was completed at a total cost of \$566,689.

The Kessler-Frederick Road Bridge No. 00.06 Replacement was bid on October 10, 2024 with three proposals being received for the project. Eagle Bridge Company of Sidney, Ohio submitted the lowest proposal at \$620,366.20 and was awarded the project. The replacement project is funded by 33% by OPWC funds and 67% Local Funds. This replacement is scheduled to begin in the spring of 2025. The existing structure will be replaced with 42 feet of an 18'x9' four-sided box culvert.

In 2024, our office was able to secure federal funding for the Garnsey Street Bridge and the Piqua-Lockington Road Bridge No. 02.56 which both span the Great Miami River. The Garnsey Street bridge will receive a new concrete deck and painting of structural steel with an estimated construction and design cost of \$3,057,517 (95% Federal, 5% Local). Funding for the replacement of the Piqua-Lockington Road Bridge No. 02.56 in the amount of \$4,749,600 (95% Federal, 5% Local) was also secured in 2024. We will continue to pursue federal funding for future bridge replacement projects.

2025 Replacement Projects:

- Swailes Road Bridge No. 02.48 Replacement, this structure is in poor overall condition due to the deterioration of the concrete superstructure and will be replaced by a three span prestressed concrete beam structure. The estimated cost is \$922,337. (46% Local Funds, 54% OPWC)
- Peterson Road Bridge No. 06.12 Replacement, an existing two span steel beam structure with a concrete deck, will be replaced with a prestressed box beam bridge. The estimated cost is \$550,000. (100% Local Funds)
- Frederick-Garland Road Bridge No. 06.67 Rehabilitation, an existing steel beam bridge, will have the failing expansion joints replaced. The estimated cost is \$154,000 (100% Local Funds)
- Stonewood and Rosewood Bridge Replacements, existing triple elliptical CMP pipes, will be replaced with four-sided precast concrete culverts. The estimated cost is \$300,000 (100% Local Funds)
- Work will begin on the 2025 Bridge Package Project in early 2025. This project includes the replacement of the Range Line Road Bridge No. 03.81, Range Line Road Bridge No. 15.74, Lostcreek-Shelby Road Bridge No. 03.27, and Sodom Ballou Road North Bridge No. 01.82. Construction of these bridges will begin in the late fall of 2025 and continue into 2026.
- Swailes Road Bridge No. 1.94 Replacement, this structure is in poor overall condition due to the deterioration of the concrete superstructure and will be replaced by a three span prestressed concrete beam structure. The estimated cost is \$922,337. (46% Local Funds, 54% OPWC) This replacement is anticipated to take place in 2026.

TRAFFIC/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 need to be replaced, the County's sign department conducts a Visual Nighttime Inspection including a survey of the entire sign inventory during nighttime hours. In 2024, a Visual Nighttime inspection was completed and the process of replacing signs that have been determined to have low retro reflectivity began. In 2024 the Miami County Sign Shop replaced a total of 92 signs that had non-compliant reflectivity on County and Township roads.

In addition to the above-mentioned sign replacements, our sign department replaced, reset, or installed approximately 249 signs in 2024. Of these 249 signs, roughly 96 were replaced due to traffic accidents, 34 due to vandalism, 83 for routine maintenance, and 36 were new installations.

MOWING & SPRAYING

In 2024, 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, Miami County contracted with Running G Farms of Rio Grande, Ohio for the first round of roadside mowing for a total cost of \$33,499.05. After the first round of mowing was completed by contract, county crews continued to meet the mowing requirements for the subsequent 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 \$30,443. DeAngelo Contracting Services of Perrysburg, Ohio sprayed 97,771 lineal feet of guardrail for \$7,821. DeAngelo Contracting Services also sprayed 380+/- miles of roadside ditches at a total cost of \$30,000. Costs for both the guardrail and roadside spray were down from 2023 by \$455 and \$756 respectively.

In 2024, \$31,000 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 events. Removing trees close to the driving surface also improves sight distance for the traveling public.

SNOW & ICE REMOVAL

As of January 24, 2025, the total cost of the 2024-2025 winter season, including labor, equipment and materials, stands at \$441,373. This is more than double at \$247,162 higher than the 2023-2024 winter season. Our first snow event of the season occurred on 12/5/24 and the last snow event was on 2/21/25. Snow fighting crews logged a total of 3,354 hours in action (including regular and overtime hours) at a cost of \$102,303; equipment costs for that period were \$111,349; and material costs (including salt, grits, and fuel) were \$227,721).

In October, 2024, Miami County entered into a contract with Cargill, Incorporated of North Olmsted, Ohio for our salt purchases for the 2024-2025 Winter Season at \$62.68 per ton delivered and dumped; and for the 2025-2026 Winter Season at \$72.68 per ton delivered and dumped. The price per ton of rock salt for the 2024-2025 is \$22.59 cheaper per ton compared to the previous winter season's \$85.47 per ton. The lower price per ton of rock salt helps absorb some of the costs associated with a busier winter season compared to the three previous winter seasons.

With our area experiencing a few weeks of more severe, below-normal temperatures during the winter season, it will likely have a negative effect on road surfaces throughout the county. As the weather breaks, our road crews will be out performing road maintenance activities e.g. crack sealing and cold mix patching to repair any areas that were affected by the multiple and drastic freeze/thaw cycles we experienced this past winter.

PAVEMENT MARKING

In 2024, 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 Aurora, Ohio to complete center line marking on 125 road miles of county highway and 51 miles of township highway at a cost \$86,064. Aero-Mark also edge lined 250 lane miles of county highway and 102 miles of township highway at a cost of \$160,160. In addition to striping new pavement and restriping existing lines, three county roads intersections' required miscellaneous markings including lane arrows, channelizing lines, stop bars, transverse lines, etc. to be repainted adding an additional \$8,934 to the pavement marking program. The majority 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 Maint. Collection
*	Agenbroad	852	\$68,420.78	\$300.00	\$350.39
**	Beard	807	\$10,882.87	\$3,650.00	\$3,809.35
	Caldwell	849	\$429,990.86	\$4,750.00	\$5,381.51
	Cottingham	814	\$241,756.02	\$8,400.00	\$7,255.13
**	Dye Mill	805	\$22,784.03	\$6,800.00	\$8,165.94
	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	\$3,425.05
* **	Gallamar	850	\$98,702.80	\$5,350.00	\$5,922.77
**	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.	\$364.16
**	Marsh	817	\$9,777.84	\$2,000.00	\$2,444.46
	Mohler Jt.		Mont.	Mont.	\$4,976.37
	Mumford Group	846	\$68,543.11	\$1,350.00	\$1,377.59
	Pemberton	843	\$18,708.50	\$2,500.00	\$2,245.94
	Reeder	838	\$39,157.81	\$3,150.00	\$4,700.72
**	Reighard	824	\$12,011.01	\$2,400.00	\$3,603.30
	Shelby County Jt.		Shelby	Shelby	\$6,851.88
	Swailes Run	844	\$53,550.00	\$750.00	\$374.85
	Troy-Concord	821	\$333,973.20	\$24,500.00	\$24,932.83
	Wauger Branch	808	\$578,446.32	\$9,000.00	\$1,3314.13
**	Welsch	826	\$18,664.96	\$4,100.00	\$2,799.74
			Total	\$163,650.00	
	Note: * Indicates changes in collection percentages for 2025				
	** 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-Sweitzer, and Reighard ditches is anticipated in 2025. Resource limitations will determine if the review of these and other ditches (double asterisk) listed will be completed in 2025.

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 2024 the Frosty-Landis, Gallamar, Harwood, Marsh, Swailes Run, Troy-Concord, and several other ditches required such repairs. In 2025 we anticipate that 12 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 was delayed in 2024 due to inflation of construction costs. The first sectional replacement is anticipated to be completed in 2025.



To the left is an example of a drainage tile main replacement. To the right is a catch basin relocation/replacement. Both projects were completed in 2024.



FEDERAL / STATE FUNDED PROJECTS

ROADS

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

SWAILES ROAD BRIDGE NO. 02.48 Year: 2025 Total Cost: \$922,337

This project consists of replacing the existing bridge over Boone Creek.

Local Share: \$422,337 (45%) OPWC: \$500,000 (55%)

GARNSEY STREET BRIDGE Year: 2026/2027 Total Cost: \$2,800,000

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

Local Funding: \$140,000 (5%) Federal Funding: \$2,660,000 – Local Major Bridge Program (95%)

PIQUA-LOCKINGTON ROAD BRIDGE NO. 02.56 Year: 2028 Total Cost: \$4,749,600

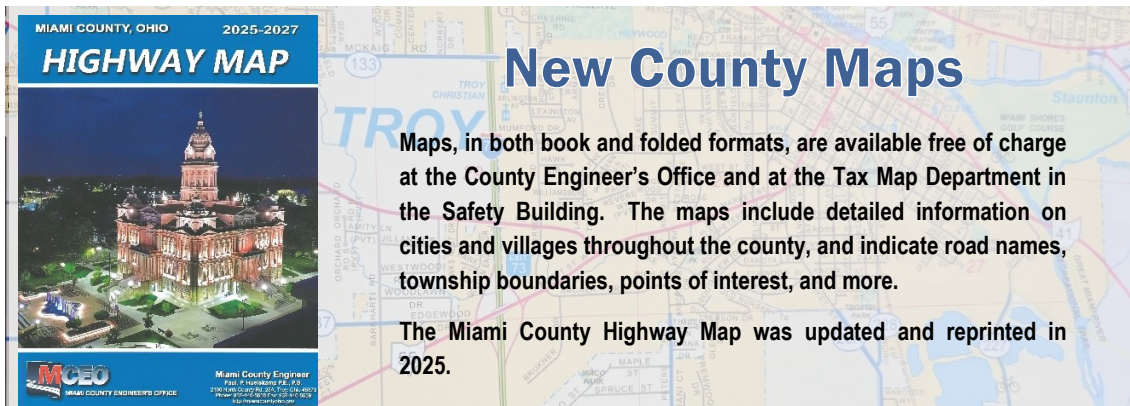
This project consists of replacing the existing bridge over the Great Miami River.

OPWC: \$237,480 (5%) Bridge Credit: \$712,440 (15%) Other Funding: \$3,799,680 - CEAO LBR (80%)

TAX MAP

The Tax Map Department draws and maintains tax maps for over 54,200 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 27,250 documents currently, are individually scanned so that digital copies are available online or 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 Tax 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 2024, the department reviewed the content and mathematical accuracy of 155 boundary surveys, many of which are multiple tracts. 138 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 62 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 56 Record Plats were recorded in 2024, 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 nearly 4,900 deeds, affidavits, Transfer on Death, 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.



MIAMI COUNTY, OHIO 2025-2027
HIGHWAY MAP

New County Maps

Maps, in both book and folded formats, are available free of charge at the County Engineer's Office and at the Tax Map Department in the Safety Building. The maps include detailed information on cities and villages throughout the county, and indicate road names, township boundaries, points of interest, and more.

The Miami County Highway Map was updated and reprinted in 2025.

MIAMI COUNTY ENGINEER'S OFFICE
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MIAMI COUNTY HIGHWAY DEPARTMENT SALT STORAGE BUILDING

As recited on the front page, the Miami County Highway Department Salt Storage Building was replaced with a new storage building in 2024 (pictured below). The new storage building was paid for by the Miami County Commissioners out of County General Fund money. The Salt Storage Building Project was bid in May 2024. On June 11, 2024, the project was awarded to Vancon, Inc. of Dayton, Ohio in the amount of \$1,404,633.00. Demolition of the old salt storage building began in early July and the new salt building was substantially completed in November. The final cost for the salt building was \$1,409,324.00. The first load of rock salt in the new building was delivered on November 18, 2024. The old salt building held 2,000 tons of salt and 500 tons of salt mix. The new salt building will hold approximately 4,000 tons of salt and 1,000 tons of salt mix.



Before and after aerial views of the Peterson Road Bridge No. 00.05 courtesy of Richard I. Manns.



CONTACT US



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