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**Hours**

7:30 am - 4:00 pm  
Monday thru Friday

**Summer Garage Hours**

6:30 am - 3:00 pm

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Monday thru Friday



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# Miami County Engineer's 2020-2021 Annual Report

March 2021

Honorable Board of Miami County Commissioners,

In compliance with section 5543.02 of the Ohio Revised Code, I am pleased to offer this 2020-2021 annual report for your review. This report provides you with details of our activities during 2020 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 2021 and beyond.

2020 was yet again a busy year for bridge construction, Croft Mill Road Bridge No. 00.37 over the Greenville Creek, a functionally obsolete steel-truss bridge located in Newberry Township, was replaced. The existing truss was replaced with a new 120' x 28' galvanized truss to accommodate two-lane traffic. The project was awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio in the amount of \$1,109,943. Final payments for this replacement project were made in January of this year with the final cost being \$1,107,501 which was 100% funded with Federal Ohio Bridge Partnership funds. The Troy-Urbana Road Bridge No. 04.71, adjacent to the Miami East School complex, was a second larger bridge replacement project. This project was also awarded to Brumbaugh Construction in the amount of \$447,399. The final payment for this project was also made in January of this year with the final cost being \$446,521.90 which was funded 67% by the Ohio Public Works Commission. The good news is that we were able to leverage significant Federal and State funding sources for these projects, resulting in an expenditure of only \$147,352.24 in local tax dollars to build two bridges.



Croft Mill Road Bridge—before and after construction.

Due to a mild 2019-2020 winter season, we were able to increase the miles of resurfaced roads in our yearly paving program for a total of 27.683 miles. The aforementioned miles included road surfaces as old as 27 years. Our current total certified road mileage is 422.775, if we are able to maintain this rate, we will be on a 15-year paving cycle.

The Bellefontaine Road Resurfacing Project from Montgomery County line to Clark County Line added an additional 1.479 miles to the resurfacing program. It received an asphalt overlay of 1½" and bermed with an 18" aggregate berm. The final pavement section was then striped with thermoplastic pavement markings. The total project cost was \$144,110.72; Local Share: \$28,822.14 (20%), MVRPC STP \$115,288.58 (80%).

The second special paving project for 2020 was North County Road 25A from Indian Ridge Drive north to Miami-Shelby Road East (3.03 miles). This portion also received an asphalt overlay of 1½" with an asphalt berm of 18". The finished pavement was striped with thermoplastic edge line and center line as well. The total project cost was \$343,685.28; Local Share: \$137,474.11 (40% paid by Miami County and the City of Piqua), MVRPC STP \$206,211.17 (60%). Both paving projects were awarded to John R. Jurgensen Company of Springfield, Ohio.

This year's special project is the MIA-CR25A-GRFY21, County Road 25A Guardrail Upgrade Project. Bids were received for this project on November 5, 2020 and was subsequently awarded to Cuyahoga Fence, LLC of Cleveland, Ohio on December 3, 2020. This project will upgrade all guardrail along County Road 25A from the north City of Troy corporation limit to the south corporation limit of the City of Piqua. The total project cost is \$179,026.50 and is 100% Federally funded.

Our special bridge project this year will consist of the replacement of the Frederick-Garland Road Bridge No. 07.67 located in Union Township. The \$1,200,000 project will be bid this summer with \$400,000 of the cost being funded by the Ohio Public Works Commission (if approved).

Please take a look at the information in this report to gain 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**

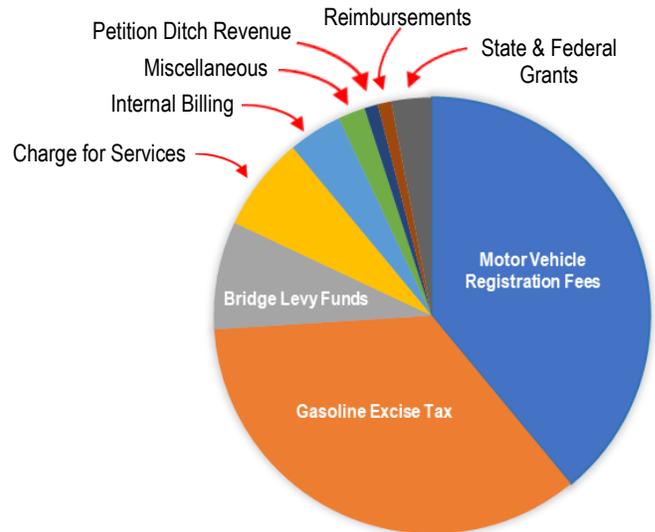
# Finances

Funds to support the County Engineer operations come primarily from highway user fees like Motor Vehicle Registration Fees and Gasoline Excise Tax. In 2020, we received \$7,647,904 in such fees. Additional funds are generated through the Miami County Bridge Levy, which voters have supported since 1951 and was renewed again last year. Levy funds, which totaled \$822,991 in 2020, 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 2020, we secured \$321,499 in State Grant funds and \$1,061,292 in Federal funds. A breakdown of our 2020 Revenues and Expenditures is shown below.

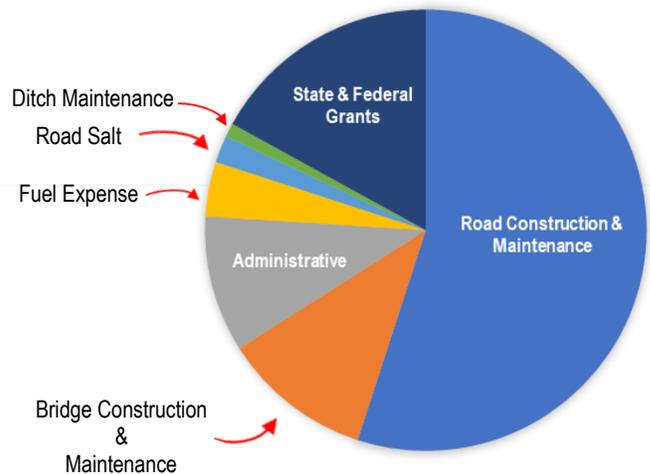
2019  
COMPARISON

Motor Vehicle Registration Fees	39%	\$4,033,697	\$4,043,481
Gasoline Excise Tax	35%	\$3,614,207	\$2,939,200
Bridge Levy Funds	8%	\$822,991	\$560,253
Charge for Services	7%	\$722,584	\$814,010
Internal Billing	4%	\$396,283	\$530,208
Miscellaneous (Refunds, interest, etc.)	2%	\$238,692	\$134,952
Petition Ditch Revenue	1%	\$131,980	\$317,590
Reimbursements	1%	\$111,030	\$117,099
<b>SUB-TOTAL</b>		<b>\$10,071,464</b>	<b>\$9,456,793</b>
State & Federal Grants (Direct Payments)	3%	\$286,412	\$242,447
<b>TOTAL</b>	<b>100%</b>	<b>\$10,357,876</b>	<b>\$9,699,240</b>



2019  
COMPARISON

Road Construction & Maintenance	55%	\$5,229,459	\$5,587,980
Bridge Construction & Maintenance	11%	\$1,088,718	\$894,343
Administrative	10%	\$932,041	\$881,589
Fuel Expense	4%	\$370,869	\$385,577
Road Salt	2%	\$164,674	\$531,431
Ditch Maintenance	1%	\$98,746	\$117,625
<b>SUB-TOTAL</b>		<b>\$7,884,507</b>	<b>\$8,398,545</b>
State & Federal Grants (Direct Payment)	17%	\$1,669,205	\$336,733
<b>TOTAL</b>	<b>100%</b>	<b>\$9,553,712</b>	<b>\$8,735,278</b>



EQUIPMENT	DEPARTMENT	COST
Two 2021 Single Axle Dump Trucks	Highway	\$293,028
One CAT 420 CFG2 Backhoe Loader	Highway	\$97,563
One John Deere 5090E Utility Tractor	Highway	\$38,188
One Diamond Side Mount & Rear Offset Flail Mowers	Highway	\$36,412
Two ODOT Snow Plows	Highway	\$20,850
Two V-Plows & Salters for Mini Dump Trucks	Highway	\$18,972
Exmark 60" Zero Turn Lawnmower	Highway	\$10,399
CAT CUV82 Utility Vehicle	Highway	\$11,875



## ROADS

The Highway Department is responsible for maintaining 422.775 miles of highways in serviceable condition using limited funding resources. We accomplish this through an aggressive preventive maintenance program designed to prolong the life of our highway pavement to the greatest extent possible. The two primary ways to extend pavement life are through the use of crack-sealing, where hot bitumen is applied exclusively to pavement cracks; and dura patching, which applies a mixture of bitumen and gravel to repair fractured/damaged roadways. Because the operation involves a large crew to complete, in 2020, this office utilized ODOT's Co-Op Purchasing Contract #101G-21 to have J&A Construction, Inc. of Greenville, Ohio come in and crack seal selected roads. We had five roads treated for a total of 16.857 miles at a total cost of \$90,265.12. The more aggressive we can be with the application of crack seal to our roads 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 2020 paving program resulted in 27.683 miles of county highways being paved with asphalt concrete by the John R. Jurgensen Company at a cost of \$2,279,586. Roads resurfaced in the 2020 paving program included portions of Casstown-Sidney, Country Club, Dayton Brandt, Looney, Miami Shelby West, Milton-Potsdam, Ross, Snodgrass, Studebaker, and Sullivan. 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, 6.604 miles of township roads were paved with asphalt concrete at a cost of \$636,610. After the Harrison Street Bridge No. 00.17 replacement was completed, we paved Harrison Street from County Road 25A to Atlantic Street by special paving project to add an additional 0.337 miles to our 2020 paving mileage.

Last year's Chip Seal Program included two townships for a total of 4.47 miles at a cost of \$88,892. Miami County did not include any roads under its jurisdiction to the program.



**Studebaker Road**

As referenced on page 1, we had two special paving projects resulting in an additional 4.509 road miles being paved in 2020. Bellefontaine Road from Montgomery County Line to Clark County Line in Bethel Township was resurfaced and completed in July. The project consisted of a leveling course and surface course of ODOT Item 441 (448) Type 1 asphalt for a total of 1½". The finished pavement received an Item 617 aggregate berm of approximately 18" in width on each side of the new pavement along with enhanced thermoplastic pavement markings. The total cost to resurface the road was \$144,110 with \$28,822 (20%) being the local share; the remaining \$115,288 (80%) was funded by MVRPC STP funds.

The second special resurfacing project, County Road 25A from Indian Ridge Drive north to Miami-Shelby Road East, was also completed in July. The 3.03 miles also received a total of 1½" of ODOT Item 441 (448) Type 1 asphalt and an aggregate berm of approximately 18" in width on each side of the new asphalt along with enhanced thermoplastic pavement markings.

Our paving outlook for 2021 includes a total of 32.158 miles of roadway with an estimated cost of \$2,679,655. This will include portions of Alcony-Conover, Frederick-Garland, Iddings, Jay, Lauver, Palmer, and Range Line roads. The above-mentioned mileage includes 4.006 miles of Miami-Shelby Road East which is currently a "chip seal" road and is part of our paving upgrade initiative.

Miami County does not have any special paving projects programmed for 2021 but does have a safety project that this office has been working on for many years, the MIA-CR25A-GRFY21, County Road 25A Guardrail Upgrade Project. Bids were received for the project on November 5, 2020 and an award was made to Cuyahoga Fence, LLC of Cleveland, Ohio on December 3, 2020 in an amount of \$179,026.50. The project is to begin in the Spring of 2021 with a completion date of April 30, 2021.

## CULVERTS

In 2020, our culvert crew replaced 60 structures at a total cost of \$274,095. We continue to prioritize the replacement of culverts on roads that are scheduled to be resurfaced to avoid having to cut into any new roadway in the foreseeable future.

One of our two larger culvert replacements in 2020 was on Alcony-Conover Road in Brown Township, Culvert No. 9.136. Our county crews installed 48' lineal feet of 43"x68" concrete elliptical pipe at a cost of \$19,276. The second larger culvert replacement was on Palmer Road in Bethel Township, Culvert No. 1.458. This replacement consisted of 44' lineal feet of 8'x4' concrete box at a cost of \$29,458, also completed by our county crews. As stated above, in preparation of the paving program, our crews replaced ten culverts on Dayton-Brandt Road including Culvert No. 8.239, 48' of 24"x38" concrete elliptical pipe for a cost of \$5,936 and twelve culverts on Miami-Shelby West Road including Culvert No. 0.762, 72' of 24"x38" concrete elliptical pipe for a cost of \$8,907; Culvert No. 1.664, 40' of 24"x38" concrete elliptical pipe for a cost of \$7,939; and Culvert No. 4.361, 48' of 43"x68" concrete elliptical pipe for a total cost of \$8,632. In 2021 we anticipate replacing 50 to 60+ culverts as part of our ongoing culvert upgrade program.

# Bridges

The 2020 Bridge Program was highlighted with several larger replacements. The Croft Mill Road Bridge No. 00.37 located in Newberry Township was awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio for the amount of \$1,109,943.00. The project consisted of a replacement of an existing truss with a new galvanized truss 120' long x 28' wide to accommodate two lane traffic. The final payments for this replacement were made in January of this year with the final cost being \$1,107,501.00 which was 100% funded with Federal Ohio Bridge Partnership Funds.

The second of the larger replacements was the Troy-Urbana Road Bridge No. 4.71 which is located adjacent to the Miami East School Complex. This replacement was awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio in the amount of \$447,399.00. Again, final payment for this replacement was made in January of this year with the final cost being \$446,521.90 which was funded 67% by the Ohio Public Works Commission.



Additional larger replacements included the Harrison Street Bridge No. 0.17 and the Markley Road Bridge No. 2.10. The Harrison Street Bridge, located 0.06 miles north of Fourth Street in Troy, consisted of a new 61' long x 32' wide prestressed concrete box beam superstructure along with a rehabilitation of the existing abutment walls. The Markley Road also consisted of a 61' long x 32' wide prestressed concrete box beams on new abutment walls. The prestressed concrete box beams were competitively bid and awarded to Prestress Services Industries of Ohio, LLC of Columbus, Ohio in the amount of \$268,800.00 (\$134,400.00 for each bridge). The total cost for the above replacements was \$180,359.40 for the Harrison Street structure and \$215,312.31 for the Markley Road bridge.

An additional replacement in the 2020 Bridge Program was the Perry Road Bridge No. 00.90 located just west of McMaken Road in Newberry Township. This structure was replaced with 30' long x 30' County manufactured concrete beams along with new abutments. The overall cost of this replacement was \$118,312.80.

The final large replacement that commenced in 2020 was the replacement of the Knoop Road Bridge No. 00.18 which had to be closed earlier in the year due to structural steel issues. In the fall of 2020, replacement of this existing three span bridge was competitively bid and was awarded to Brumbaugh Construction, Inc. of Arcanum, Ohio in the amount of \$545,808.00 for the new two span prestressed concrete beam structure.



In 2021, our special bridge project will consist of the replacement of the Frederick-Garland Road Bridge No. 7.67 located between the Karns Roads in Union Township. The \$1,200,000 will be bid this summer and with \$400,000 of the cost being funded by the Ohio Public Works Commission (if approved).

2021 will be another busy year for our bridge program with the following bridges scheduled for replacement:

- Piqua-Troy Road Bridge No. 5.18 Replacement, an existing concrete slab bridge, will be replaced with a concrete pipe. The estimated cost is \$20,000.
- Ziegler Road Bridge No. 0.57 Replacement, an existing steel beam bridge, will be replaced with a four-sided box culvert. The estimated cost is \$275,000.
- Range Line Road Bridge No. 6.75 Replacement, an existing steel beam bridge, will be replaced with a four-sided box culvert. The estimated cost is \$150,000.
- Hill Road Bridge No. 0.51 Replacement, an existing steel beam bridge, will be replaced with prestressed box beams. The estimated cost is \$300,000.
- Sugar Grove-Circle Hill Road Bridge No. 0.13 Replacement, an existing steel beam bridge, will be replaced with prestressed box beams. The estimated cost is \$300,000.
- Loy Road Bridge No. 04.51 Replacement, an existing steel beam bridge, will be replaced with prestressed box beams. The estimated cost is \$300,000.
- Peterson Road Bridge No. 5.66 Replacement, an existing steel beam bridge, will be replaced with prestressed box beams. The estimated cost is \$300,000.

In addition to the structures listed above, we will also be replacing several larger culverts in preparation with upcoming resurfacing projects.

Other future major replacements include:

- Peterson Road Bridge No. 0.05 Replacement, an existing prestressed box beam bridge spanning the Great Miami River, will be replaced with a prestressed I-beam bridge. The estimated cost is \$5,738,000 in SFY 2024.
- Troy-Sidney Road Bridge No. 1.20 Replacement, an existing steel beam bridge, will be replaced with prestressed box beams. The estimated cost is \$506,072 in SFY 2024 (100% Federally Funded.)

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.

# Services

## SIGN DEPARTMENT

Every 5 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 which traffic signs need replaced, the County's sign department conducts a Visual Nighttime Inspection which includes a survey of the entire sign inventory during nighttime hours. In 2020, a Visual Nighttime inspection was completed and the process of replacing signs that have been determined to have low retro reflectivity has begun. So far, a total to 288 signs have been replaced.

In addition to the above-mentioned sign replacements, our sign department replaced approximately 721 signs in 2020. Of these 721 signs, roughly 151 were replaced due to traffic accidents, 111 due to vandalism, and 20 due to weather related incidents. The remainder of the signs were replaced due to continual maintenance and upgrades to our sign inventory.



## TRAFFIC COUNTS/SPEED LIMIT STUDIES

This office conducts 48-hour traffic counts at approximately 130 locations each summer on county and township roads. The traffic count data is used to establish priorities for roadway repair, repaving, lane-width alterations, signage requirements, and other highway-related improvements. Due to COVID-19 concerns in 2020, traffic counts were not completed and additional counts will be taking place in upcoming year.

Speed studies are occasionally conducted to determine appropriate speed limits based upon roadway improvements, alterations, or specific requests from township personnel. In 2020, speed studies were conducted on Bradford-Bloomer Road.

## MOWING & SPRAYING

In 2020, 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 422 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 139.05 acres of petition drainage ditches, utilizing in-house equipment and resources.

For our annual spray programs, we solely rely on contracted services. We contracted with Vegetation Tech LLC of Troy, Ohio to spray 139.05 acres of agricultural ditches for \$14,867; Vegetation Tech also completed 380 miles of roadside ditch spray for \$24,960 and spot treated Johnsongrass at a cost of \$2,185; Easy Lawn LLC of Piqua, Ohio sprayed 92,643 lineal feet of guardrail for \$2,779 in 2020.

## SNOW & ICE REMOVAL

If March comes in like a lion and goes out like a lamb, then our 2020-2021 winter season started off like a lamb and went out like a lion. After a slow start with a few minor snow falls starting on November 30, 2020, the months of January and February saw considerable amounts of snowfall with the largest snow event being on President's Day (February 15) with a total of 8.3" in the Troy area. Our crews were out plowing and deicing for a total of 4,012 hours during the 2020-2021 winter season during which they applied a total of 3,209 tons of salt mix. The total Labor/Material/Equipment cost for the 2020-2021 season was \$364,019 as compared to \$261,400 for the 2019-2020 winter season.

## PAVEMENT MARKING

We utilized contracted services in 2020 to complete all of our edge line and center line markings on both county and township roads. We contracted with A&A Safety, Inc. of Amelia, Ohio to complete center line marking on 72 road miles of county highway and 82 miles of township highway at a cost of \$65,898. A&A Safety also edge lined 139 lane miles of county highway and 152 lane miles of township highway at a cost of \$118,150. The striping cost continues to rise; to stripe one mile of center line increased \$28.50 from 2019 to 2020 with edge line increasing \$37 per lane mile striped. Typically, the road pavement conditions dictate how often the road receives pavement markings with most of our roads cycling through at about three years between restriping

DITCH NAME	NO.	CONSTRUCTION COST BASIS	2020 ACTUAL ANNUAL COLLECTION	TYPICAL ANNUAL EXPENSES
* ** BEARD	807	\$10,876.54	\$2,176.59	\$2,550.00
CALDWELL	849	\$429,980.91	\$7,874.71	\$7,150.00
* COTTINGHAM	806	\$10,883.13	\$3,627.63	\$4,100.00
** DYE MILL	805	\$22,804.21	\$8,131.42	\$8,250.00
FREE STEIN	857	NEW CONSTRUCTION		
* ** FRESHOUR	841	\$11,916.90	\$1,430.02	\$2,400.00
** FROSTY-LANDIS	826	\$34,091.47	\$3,426.10	\$3,000.00
GALLAMAR	850	\$98,702.79	\$4,712.75	\$4,600.00
** HARTSTEIN-	829	\$25,143.74	\$2,012.27	\$1,450.00
HARWOOD	818	\$207,656.20	\$17,650.75	\$3,000.00
** HELMICK HARLACHER	833	\$37,225.01	\$3,722.51	\$4,300.00
LANE-HATHAWAY	842	\$18,901.11	\$2,152.99	\$2,250.00
** LEONARD	811	\$49,496.92	\$20,029.95	\$31,000.00
LUTHERAN RD. GP.		MONT.	\$292.41	MONT.
** MARSH	817	\$9,777.84	\$1,955.96	\$1,350.00
MOHLER JOINT	363	MONT.	\$4,169.61	MONT.
MUMFORD	846	\$68,543.11	\$1,091.83	\$800.00
PEMBERTON	843	\$18,708.50	\$1,126.12	\$1,500.00
** REEDER	838	\$39,157.81	\$3,673.29	\$4,400.00
* ** REIGHARD	824	\$11,951.01	\$2,357.63	\$2,400.00
SHELBY COUNTY JT.		SHELBY	\$6,979.59	SHELBY
SWAILES RUN	844	\$53,550.00	\$53.55	\$750.00
TROY-CONCORD	821	\$331,070.59	\$21,917.05	\$27,500.00
UPPER LUDLOW	845	\$264,994.15	\$325.44	\$600.00
* WAUGER BRANCH	808	\$44,776.61	\$8,651.26	\$8,450.00
* ** WELSCH	814	\$18,664.96	\$1,924.57	\$3,300.00

*	= Evaluate Current Collection
**	= Construction Base Needs Re-Evaluated
	<ul style="list-style-type: none"> <li>➤ LUTHERAN RD. GP. JOINT AND MOHLER JOINT = MONT. CO. MAINT.</li> <li>➤ SHELBY COUNTY JT. DITCHES = SHELBY COUNTY MAINTENANCE</li> </ul>

## DITCHES

Annual assessments are collected to finance on-going maintenance on 26 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. Eleven 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, Reighard, and Welsch ditches had been planned in 2020; COVID-19 restrictions of public meetings necessitated a delay in these reviews until 2021. Public gathering restrictions will determine if these, or other reviews may be completed in 2021.

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 2020 the Cottingham, Hartstein-Switzer, Wauger, and several other ditches required such repairs. In 2021 we anticipate that 12 of the 25 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.

In 2020 Reconstruction of the Free-Stine Ditch No. 851 was started by Pullins Drainage & Excavating, LLC pursuant to O.R.C. Chapter 940, Soil and Water Conservation Commission. This reconstruction included the replacement of an existing clay drainage tile(s) (failing), tree and brush removal, and open ditch clean-out. Reconstruction of the Free-Stine Ditch will be completed in the first half of 2021. All portions of the reconstructed Free-Stine Ditch within the project extents will be maintained pursuant to O.R.C. Chapter 6137, Ditch Maintenance Fund.

In late 2020 the Ohio Legislature passed revisions to O.R.C. 940, 6131, 6133, and 6137, also known as the "Petition Ditch Laws," signed by Governor DeWine and will become effective on March 24, 2021. These Ohio Revised Code Chapters have needed revision for many years. Updates include an increase in the petitioner's bond, revised certified mailing requirements, public view and hearing modernizations, and other revisions that will be beneficial to the "Ditch Petition Process."



Statler Road Culvert No. 0.12 Replacement

# Future Major Projects

## ROADS

### PIQUA-TROY ROAD RESURFACING PROJECT

This project consists of overlaying Piqua-Troy Road from the City of Troy corporation limits to the City of Piqua corporation limits.

**Year: 2022 Total Cost: \$904,000 Local Share: \$180,800 (20%) Other Funding: \$723,200 - CEAO STP (80%)**

### TROY-URBANA ROAD RESURFACING PROJECT

This project consists of overlaying Troy-Urbana Road from the Deweese Road to the Champaign County Line.

**Year: 2023 Total Cost: \$1,115,300 Local Share: \$238,000 (20%) Other Funding: \$952,000 - CEAO STP (80%)**

## BRIDGES

### REPLACEMENT: TROY-SIDNEY ROAD BRIDGE NO. 1.20

This project consists of replacing the existing steel beam bridge with pre-stressed concrete beams.

**Year: 2024 Total Cost: \$506,072 Local Share: \$0 Other Funding: \$506,072 – Ohio Bridge Partnership (100%)**

### REPLACEMENT: PETERSON ROAD BRIDGE NO. 00.05

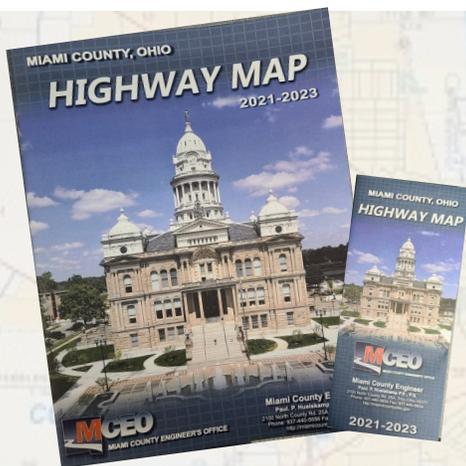
This project consists of replacing the existing bridge over the Great Miami River.

**Year: 2024 Total Cost: \$5,738,000 Local Share: \$738,000 Other Funding: \$5,000,000 - CEAO**

# Tax Map

The Tax Map Department draws and maintains tax maps for over 52,500 parcels of land in Miami County. A tax map shows the shape, size 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 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. The Map Department Technicians maintain Precinct Maps at the request of Miami County Board of Elections. They have updated and are maintaining township right-of-way maps, showing legal widths of all township and county roads. Also, in 2020, the department reviewed the content and mathematical accuracy of over 160 land surveys of individual properties, 119 of which were filed for record with the County Engineer. 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 59 Record Plats were recorded in 2020. Finally, the department reviewed the deeded legal description of every property transferred in Miami County where over 5100 deeds/affidavits 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.



## 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 2021.



Miami County Engineer's Office  
2100 N. County Rd. 25A  
Troy, Ohio 45373



# Personnel

## 2020 New Hires & Retirements

### NEW HIRES:

#### TAX MAP DEPARTMENT:

**Sage Short and Chris Shoup** joined our Tax Map Department on March 30, 2020 as CAD/GIS Technicians.

**Austin Palmer** started on October 19, 2020 and on November 2, 2020, **Mark Storms** joined the staff, both as CAD/GIS Technicians.

#### HIGHWAY GARAGE:

**Ryan Vanderhorst** joined our Highway Garage crew on November 30, 2020 as a Highway/Bridge Worker 1.

#### ENGINEERS OFFICE:

**Marilyn Hemsworth** joined our Engineers Office in May 2020 as an Engineer Tech 1 after working nine months in our Tax Map Department.

Marilyn has a bachelor's degree in civil engineering and brings with her experience with CAD, tax maps, and civil engineering plans.

We would like to welcome all our new hires and wish them a long and successful tenure with Miami County.

### RETIREMENTS:

**Dennis Ventura** retired on February 21, 2020 after 32 years of service in the Tax Map Office. Denny was hired on August 15, 1988 as a Drafting Technician and on March 4, 2013, was promoted to Tax Map / GIS Supervisor. Denny paid great attention to details when reviewing the tax maps.

**Deborah Stumpff** retired on October 30, 2020 after 28 years of service in the Tax Map Office. Deb was hired on May 11, 1992 as a Drafting Technician. Deb had extensive knowledge of the department and gave talks to Leadership Troy and other groups regarding the functions of the Tax Map Department.

Congratulations to both Denny and Deb on their successful years at Miami County; we wish them a happy and long retirement!