



2023 Annual Report
Warren County Engineer's Office



Letter from the County Engineer

Dear Citizens of Warren County,

What a busy and productive year 2023 has been! Chief Deputy Engineer Kurt Weber, our staff and Highway Department have all worked diligently to maintain good roads and bridges and meet the needs of a growing county. The largest bridge undertaken by this office, the King Avenue bridge over the Little Miami State and National Scenic River, opened to traffic December 28, 2023. The two-span 510-foot long bridge transforms the area by eliminating bridge piers in the river, eliminating a hairpin turn on the bridge approach in Deerfield Township, eliminating a sharp turn into the bridge on the Hamilton Township damaged many times by tractor-trailers, provided safe pedestrian and cyclist crossing at Grandin Road and better parking for users of the Little Miami Trail and still keep the scenic beauty of the river valley. This alignment was the result of comments we received from over 300 attendees of a public involvement meeting in 2017 and was truly a collaborative effort of many departments, boards, and agencies, and the design and contractor teams. I would like to personally acknowledge Roy Henson, our bridge engineer, who led the design and construction activities and endured the many hours of coordination of many federal and state agencies involved in crossing a state and national scenic river.

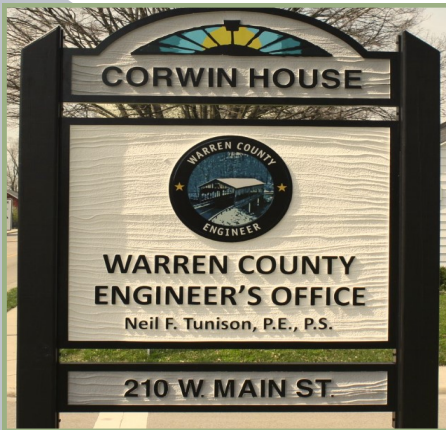
The Transportation Improvement District has been preparing quite a few projects in the coming years. Widening of State Route 48 in the area of U.S. Route 22/State Route 3 is currently underway and five lanes will be substantially complete by the end of this year. Widening of State Route 63 between Union Road and State Route 741 that will take two years will be underway this spring. A roundabout will be constructed at the intersection of State Route 741 and Greentree Road in 2025. A traffic signal on State Route 48 at the southbound ramps to I-71 being constructed by ODOT will be accompanied by ramp improvements in 2025-26 paid by the TID to improve traffic flow through the ramps. Planning of improvements on State Route 48 over the Little Miami State and Scenic River south to the five-lane project underway is also underway. The TID is working on improvements to State Route 63 between State Route 741 and Neil Armstrong Way with the City of Lebanon. There is a lot to address with the fast yet steady growth of Warren County.

Thank you to our Board of County Commissioners, the County Prosecutor’s Office, The County Sheriff’s Office, the County Auditor’s Office, other County Offices, our Township Trustees and Fiscal Officers, municipalities, the Ohio Department of Transportation, the Ohio Publics Works Commission, and our many funding partners to make possible the many projects we are bringing to you.

I hope you enjoy and find this 2023 Annual Report very informative as a review of hard work and accomplishments of my entire staff and our local partners.

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Please visit the County Engineer's website for updates on projects, road closures, and other helpful information.

<http://www.wceo.us/>



Where to find us.

The Warren County Engineer's Office Administration & Engineering Department is located in the historic Corwin House at 210 W. Main Street in Lebanon, Ohio.

Permitting & Inspection is located at WCEO's facility at 105 Markey Road, Lebanon, Ohio and serves in issuing permits, subdivision inspections, and traffic & safety. Also located at the Markey Road facility is the highway maintenance buildings, including two salt storage bins, with two additional locations: one in Wayne Township and one in Harlan Township.



Neil Tunison and Dean Ringle

Neil received an award from the County Engineers Association of Ohio (CEAO) for 25 Years of Service!

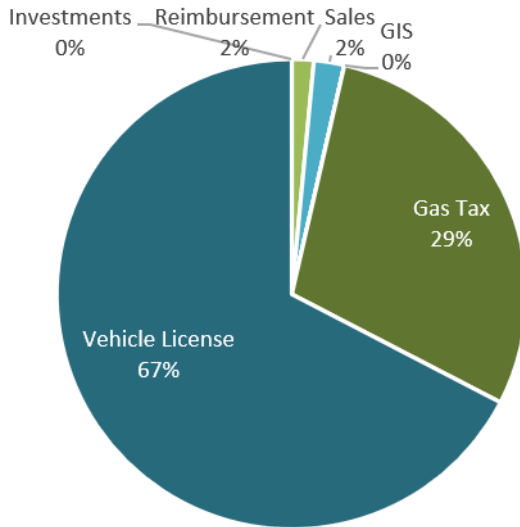
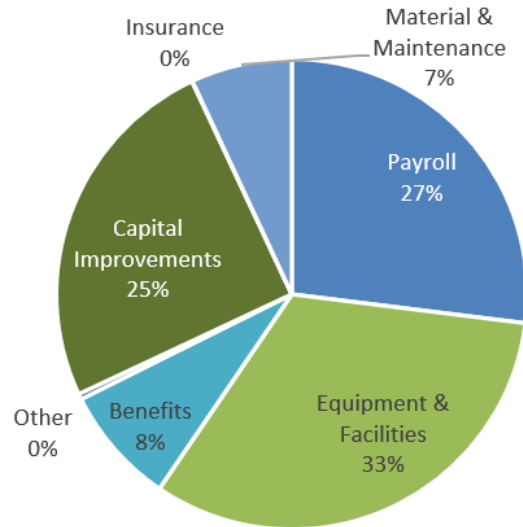


Roy Henson, Kurt Weber, Neil Tunison and Dean Ringle

Financial Highlights

EXPENDITURES

Payroll	\$2,666,411.78
Equipment & Facilities	\$3,218,500.17
Benefits	\$804,254.15
Other	\$37,427.89
Capital Improvements	\$2,472,233.62
Insurance	\$3,296.73
Material & Maintenance	\$686,322.24
TOTAL	\$9,888,446.58



REVENUE

Investments	\$0.00
Reimbursement	\$198,661.06
Sales	\$275,690.60
GIS	\$0.00
Gas Tax	\$3,827,153.05
Vehicle License	\$8,888,954.26
TOTAL	\$13,190,458.97

Ohio Revised Code 5543.02 Annual Report

The county engineer shall report to the board of county commissioners, on or before the first day of June in each year, the condition of the county roads, bridges, and culverts, and estimate the probable amount of funds required to maintain and repair or to construct any new roads, bridges, or culverts required within the county.

The engineer, on or before the first day of June in each year, shall make an annual estimate for the board of township trustees of each township, setting forth the amount required by the township for the construction, reconstruction, resurfacing, or improvement of the public roads within their jurisdiction. Such estimates shall relate to the year beginning on the first day of March next ensuing, and shall be for the information of the board of county commissioners and board of township trustees, in the making of their annual levies.

The engineer shall approve all estimates which are paid from county funds for the construction, improvement, maintenance, and repair of roads and bridges by the county. The engineer shall approve all estimates which are paid from township funds for the construction, reconstruction, resurfacing, or improving of roads under sections 5571.01, 5571.06, 5571.07, 5571.15, and 5573.01 to 5573.09 of the Revised Code. The engineer shall also approve all estimates which are paid from the funds of a road district for the construction, reconstruction, resurfacing, or improvement of the roads thereof under section 5573.21 of the Revised Code.

For the construction or repair of a bridge, the entire cost of which construction or repair exceeds fifty thousand dollars, the county engineer may request the director of transportation to review and comment on the plans for conformance with state and federal requirements. If so requested, the director shall review and comment on the plans.

Effective Date: 06-30-1995; 03-29-2005 .

Bridge Projects

Hendrickson Road Bridge #80-0.19



Warren County rehabilitated the Hendrickson Road Bridge #80-0.19 over Dicks Creek during the summer of 2023. The bridge is located on Hendrickson Road between Audubon Drive and Bendel Drive in Turtlecreek Township. The bridge had the existing deteriorated pre-stressed concrete box beam deck replaced with a new pre-stressed composite concrete box beam deck utilizing the existing concrete abutments. Brumbaugh Construction completed the construction of the project for a price of \$445,946.85. The project construction was funded completely by federal Bridge Formula Program funds. The project was designed by the IBI Group and the design was funded by the Warren County Engineer. HDR performed the construction engineering and project inspection that was funded by the Warren County Engineer.

Hamilton Road Bridge #13-3.46



Warren County replaced the Hamilton Road Bridge #13-3.46 over a Branch of Keverer Creek during the summer of 2023. The bridge is located on Hamilton Road between SR741 and Keverer Road in Turtlecreek Township. W.E. Smith Construction replaced the existing bridge with a reinforced precast concrete box culvert. The project cost \$229,157.90 and the project construction was funded by the Warren County Engineer.

Harlan-Carroll Road Bridge #221-0.84



Warren County replaced the Harlan-Carroll Road Bridge #221-0.84 over Harlans Run during the summer of 2023. The bridge is located on Harlan-Carroll Road between Huddleson Road and Harveysburg Road in Massie Township. W.E. Smith Construction replaced the existing bridge with a reinforced precast concrete box culvert. The project cost \$191,123.70 and the project construction was funded by the Warren County Engineer.

Shaker Road Bridge #48-5.93



Warren County replaced the Shaker Road Bridge #48-5.93 over Tommy's Run during the spring of 2023. The bridge is located on Shaker Road between Decker Road and Olive Road in Franklin Township. W.E. Smith Construction replaced the existing bridge with a reinforced cast-in-place concrete box culvert. The project cost \$218,651.10 and the project construction was funded by the Warren County Engineer.

Bridge Projects

King Avenue Bridge #282-0.97 Over Little Miami River Improvements

Warren County replaced the King Avenue Bridge #282-0.97 over the Little Miami River during 2022 and 2023. The bridge is located on King Avenue over the Little Miami River along the Deerfield and Hamilton Township Line. The new relocated bridge was constructed upstream of the existing crossing. The new bridge is a two span steel girder bridge that accommodates vehicles, pedestrians, and bikes. The project included road improvements to the bridge approaches and provided a grade separation between Grandin Road and the Little Miami Scenic Trail. The Eagle Bridge Company completed the construction of the project for a bid price of \$22,047,747.70. The project construction was funded by federal Local Bridge Replacement funds, federal Surface Transportation Block Grant Program funds, federal Discretionary Grant funds, Ohio Public Works Commission state funds, and local funds from the Warren County Engineer, the Warren County Water & Sewer Department, the City of Mason, the City of South Lebanon, and Deerfield Township. The project was designed by Stantec Consulting Services and the design was funded by the Warren County Engineer. Prime AE performed the construction engineering and project inspection that was funded by the Warren County Engineer.



Bridge Projects



Ribbon
Cutting
Ceremony
Dec. 19,
2023



This well attended ceremony gave the opportunity for all those that had a part in bringing this project to realization a chance to celebrate!



Roadway Projects

2023 Resurfacing Project

Contractor: John R. Jurgensen Co.

Cost: \$5,593,545.89

Warren County Roads and Bridge (11.791 Miles)

Middleboro Rd (C 45)	Gustin-Rider Rd (C 187)
Olive Branch Rd (C 217)	Wilmington Rd (C 7)
Hamilton Rd (C 13)	Mason-Montgomery Rd (C 21)
Morrow-Woodville Rd (C 24)	S. West Street -Bridge (T 2049)

Clearcreek Township Roads (4.639 Miles)

Cedar Brook Ct (T 639)	Elm Brook Ct (T 2472)
Pine Brook Ln (T 638)	Elm Dr (T 2471)
Ryan Rd (T 1151)	Stone Creek Blvd (T 2469)
Old St Rt 123 (T 250)	Winding Run Blvd (T 2470)
Music Pl (T 1426)	Aspen Brook Ct (T 2473)
Farnese Ct (T 286)	Terrace Creek Ct (T 501)
Fitches Farm Ct (T 354)	Estates Ct (T 2398)
Horse Farm Ln (T 287)	Valley View Pt (T 1268)
Woodside Tr (T 353)	Vicki Ln (T 1521)

Franklin Township Roads (0.126 Miles)

Honeytree Ln (T 1548)
Wood Hill Cemetery (Section B)

Hamilton Township Roads (8.158 Miles)

Deere Run Ln (T 1422)	Majestic Ct (T 745)
Links View Dr (T 1423)	Catherine Ct (T 1418)
Piper Glen Dr (T 1424)	Cross Creek Ln (T 989)
South Wind Ct (T 1425)	Hildebrandt Dr (T 995)
French Ct (T 1071)	Terwillegers Run (T 988)
Striker Rd (T 151)	Front St (T 1013)
Broadleaf Ct (T 2170)	Saratoga Ave (T 1011)
Butterfield Dr (T 1470)	O'Hara Dr (T 273)
Durbin Terrace (T 1473)	Shamrock Dr (T 274)
Greenstem Dr (T 2518)	Hopkins Rd (T 152)
Linford Cir (T 2246)	Overbrook Ave (T 2080)
Stableview Cir (T 1471)	Crystal Lake Ln (T 811)
Woolstone Ct (T 1472)	Pine Needle Pl (T 810)
Kensington Ct (T 746)	Wilderness Way (T 809)
Laurelwood Dr (T 744)	

Harlan Township Roads and Bridge (1.669 Miles)

Carter-Howell Rd - Bridge (T 264)
Achterman Rd (T169)
Volkerding Rd (T 67)

Salem Township Roads (2.463 Miles)

Bramblebush Dr (T 963)	Misty Ridge Ct (T1380)
Thornview Dr (T 962)	Misty Woods Ct (T 1447)
Gilmour Rd (T 92)	Morrow Meadow Dr (T 1377)
Misty Meadow Ln (T 1378)	Orchard View Ln (T 1379)

Turtlecreek Township Roads (3.92 Miles)

Liberty Keuter Rd (T 95)	Ashton Dr (T 953)
Utica Rd (T 42)	Chadwick Ct (T 954)
Dawnele Ct (T 253)	Hickory Meadows Ln (T 930)
Melayn St (T 263)	Barton Ln (T 1542)
Abby Ln (T 1538)	Oak Ridge Dr (T 1386)
Jamie Ct (T 1539)	

Union Township Roads (0.688 Miles)

Manistique Lakes Dr (T 1083)
Dry Run Rd (T 81)

2023 Chip Seal Projects

Contractor: Allied Construction, LLC.

Cost: \$301,026.08

Harlan Township Roads (2.526 Miles)

Armstrong Rd (T 176)	Morrow-Rossburg Rd (T 27)
Laseur Rd (T 262)	Pleasant-Renner Rd (T 172)
Lundy-Whitacre Rd (T 198)	

Turtlecreek Township Roads (1.930 Miles)

Emmons Rd (T 93)

Washington Township Roads (4.056 Miles)

Fisher Rd (T 1214)	Nicholson Rd (T 206)
Gum Grove Rd (T 210)	Short Dr (T 2007)
McGwinn Rd (T 216)	Strout Rd (T 207)

Wayne Township Roads (4.804 Miles)

Henderson Rd (T 272)	Brandon Ln (T 2434)
Spartan Hill Ln (T 2362)	Cold Springs Ln (T 2435)
Hacker Farm Ln (T 777)	Michaela Ln (T 921)
Gard Rd (T 233)	Sandy Run Dr (T 932)
Adam Ln (T2192)	

Roadway Projects & Highway Department

Lower Springboro Road Drilled Pier Wall

Warren County completed the Lower Springboro Road Drilled Pier Wall Project in January of 2024. The project consisted of constructing approximately 175 feet of drilled pier wall along Lower Springboro Road stopping the roadway slide. The pier wall is located on Lower Springboro Road just west of Cincinnati-Columbus Road in Wayne Township. W.E. Smith Construction completed the drilled pier wall project for \$128,455.00.



Warren County Highway Department

The Warren County Highway Department is made up of twenty-four full time employees that consist of highway maintenance personnel and mechanics. They provide the maintenance for the 267.08 miles of county roadway, 386 bridges, and 1355 culverts. They also provide support to townships when needed.

The Warren County Highway Department personnel are required by law to have, and maintain, a current Commercial Drivers License to drive the single and tandem axle trucks. Some duties would include installing and maintaining road signage, setting up route detour signage, tree and brush clearing, guardrail installation and maintenance, culvert installation, repair and replacement, embankment and shoulder repair, roadside mowing, new road construction, bridge repair and replacement.

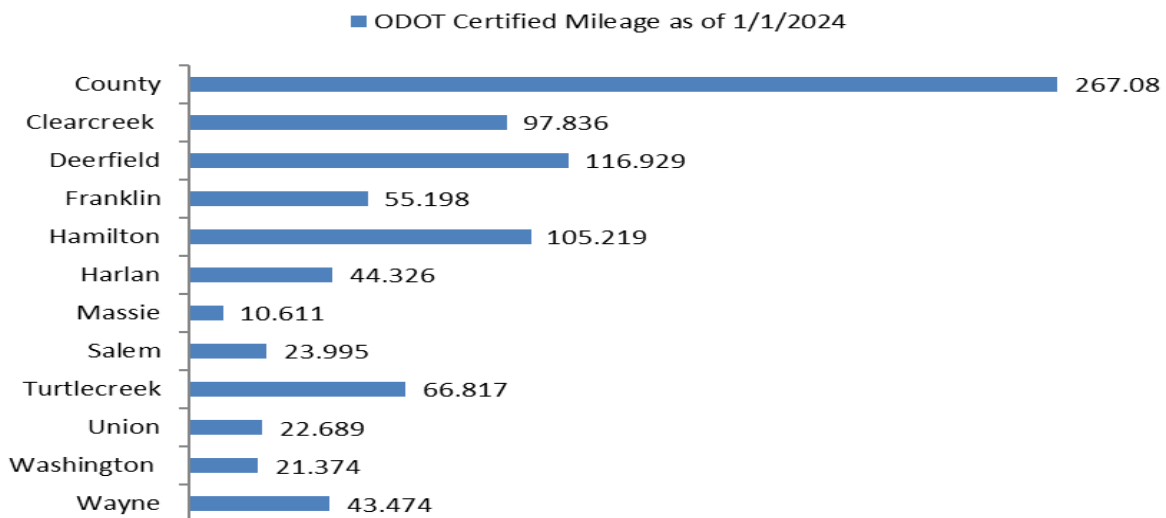
These employees may be called upon for emergency situations, storm clean-up, downed trees and limbs, high water, and other road hazards. Snow and ice control is the most challenging weather event requiring long, difficult hours. The Highway Department also maintains a rotating call out person that is on call after hours, weekend and holidays to handle any emergency. They are equipped with chain saws, road closure signs, cold patch, etc.

Snow and ice control is a primary function of the Highway Department during the winter months. During the 2023-2024 winter season, Warren County had 10 occurrences that required 1230.50 hours of overtime by our road & maintenance crews and consumed 1636.05 tons of salt and 8,735 gallons of Beet Heat to clear the roads. The entire season cost the county \$212,972.84 in overtime, salt and Beet Heat.

Planning and Design

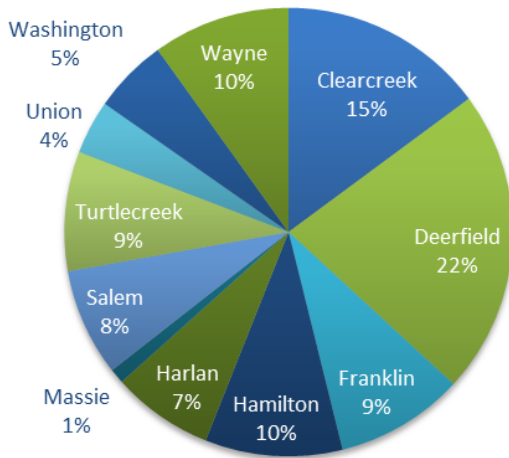
Overview

- Subdivision and Commercial Development Construction Plan Review
 - 13 new submittals
 - 29 total submittals
- 47 Record Plats Reviewed
- Secure bonds for new subdivisions with public streets or public roadway improvement projects
 - 14 new bonds acquired
 - A total of \$4,154,205.48 in new bonds
 - Currently \$54,881,045.26 worth of future public streets and improvements in development
 - 17 bonds released
- Subdivision Inspections
 - 10 subdivision walk throughs performed, many include multiple sections
 - 34 street segments turned over for public maintenance to the townships, a total of 3.290 miles
- Addressing - Issue all new (residential & commercial) addresses for the unincorporated portions of the County as well as the Villages of Corwin, Harveysburg, Maineville, Morrow, and Pleasant Plain.
 - In 2023 we transferred the addressing responsibilities back to South Lebanon now that they are recognized as a city.
 - In 2023 we also began digitizing our address folders with the help of the Warren County Records Center and Archives.
- Road Inventory - Manage road mileage and road numbers, including the ODOT certification process.



Every year ODOT works with the County and Townships to certify the mileage of roads maintained. Things such as new roads being accepted for maintenance, annexations and transferring responsibilities between the County and a township can effect how many miles are in each jurisdictions road inventory.

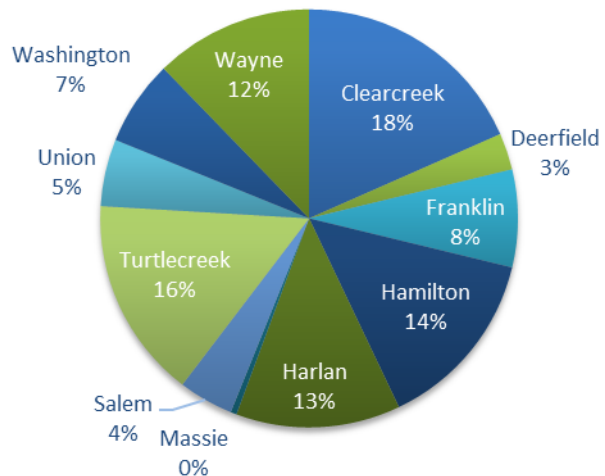
2023 Right-of-Way Permits



	<u>2021</u>	<u>2022</u>	<u>2023</u>
Clearcreek	30	47	69
Deerfield	120	75	102
Franklin	28	34	43
Hamilton	35	42	46
Harlan	34	52	34
Massie	3	6	5
Salem	13	25	36
Turtlecreek	37	75	40
Union	16	15	18
Washington	14	44	25
Wayne	8	20	46
Total	338	435	464

	<u>2021</u>	<u>2022</u>	<u>2023</u>
Clearcreek	87	59	39
Deerfield	13	6	6
Franklin	16	15	16
Hamilton	35	24	30
Harlan	24	28	27
Massie	3	8	1
Salem	19	14	9
Turtlecreek	50	35	33
Union	14	12	11
Washington	17	12	14
Wayne	25	24	26
Total	279	237	212

2023 Permits for Driveways, Addresses, Piped Road Frontages & Second Driveways



Additional Permits

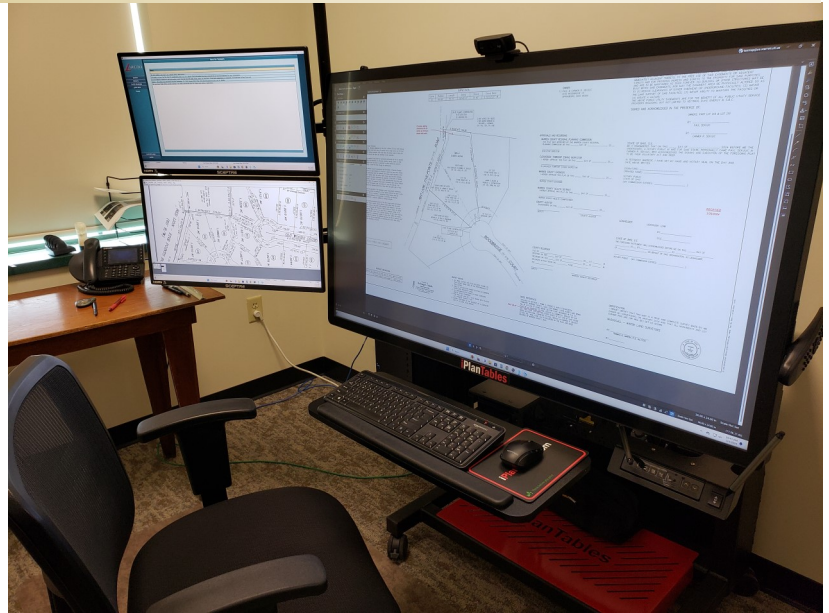
	<u>2021</u>	<u>2022</u>	<u>2023</u>
Access Permits	89	59	64
Special Hauling Permits	1,322	947	900

Our office works closely with the Warren County Sheriff's Office on Special Hauling Permits, which includes oversized and overweight permits. This great partnership is keeping Warren County roads and bridges safe.

Tax Map Department

Accomplishments

- Digital Drawing Review
 - Acquired second Bluebeam Revu software and iPlanTable system.
 - Most drawing submissions are being reviewed digitally now.
- Property Index Cards – Imaging and inputting data into OnBase -- Approximately 17% complete.



Functions

With respect to the Ohio Revised Code, the function of the tax map department includes the following:

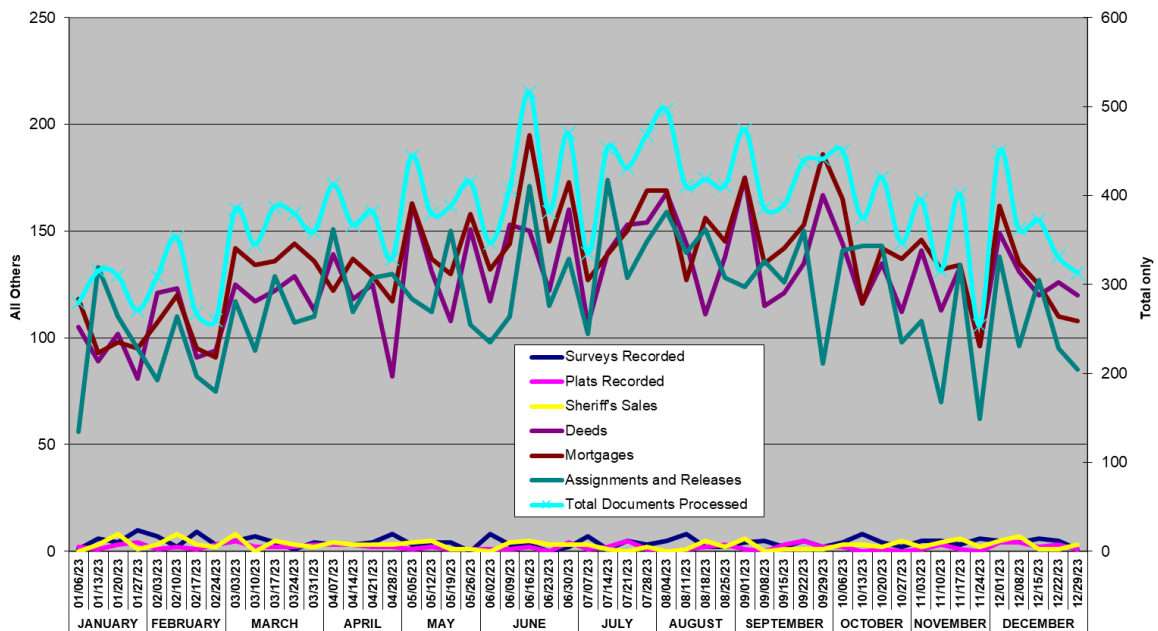
1. Per O.R.C. 315.25, we create and maintain an accurate record of surveys of land and road lines.
2. Per O.R.C. 315.251, we determine if survey plats and descriptions satisfy the minimum for boundary surveys pursuant to Chapter 4733.
3. Per O.R.C. 315.27, we create and maintain indexes of records.
4. Per O.R.C. 317.34, we approve subdivisions for the office of Recorder.
5. Per O.R.C. 319.203, we adopt standards of conveyance and ensure compliance.
6. Per O.R.C. 709.031(A), we prepare a report for petitions of annexations.
7. Per O.R.C. 713.26, we assist the regional planning commission.
8. Per O.R.C. 5713.09, we make, correct, and maintain a complete set of tax maps.

Statistics

- Deeds -- 6,594
- Surveys filed -- 217
- Plats filed -- 102
- Sheriff's precipes processed -- 152

Also, we label legal descriptions as required by statutory code with parcel numbers for identification in the Auditor's office and for indexing in the Recorder's office. We assist the public and other government agencies in utilizing the records we keep on file.

2023 Work Volume Trends

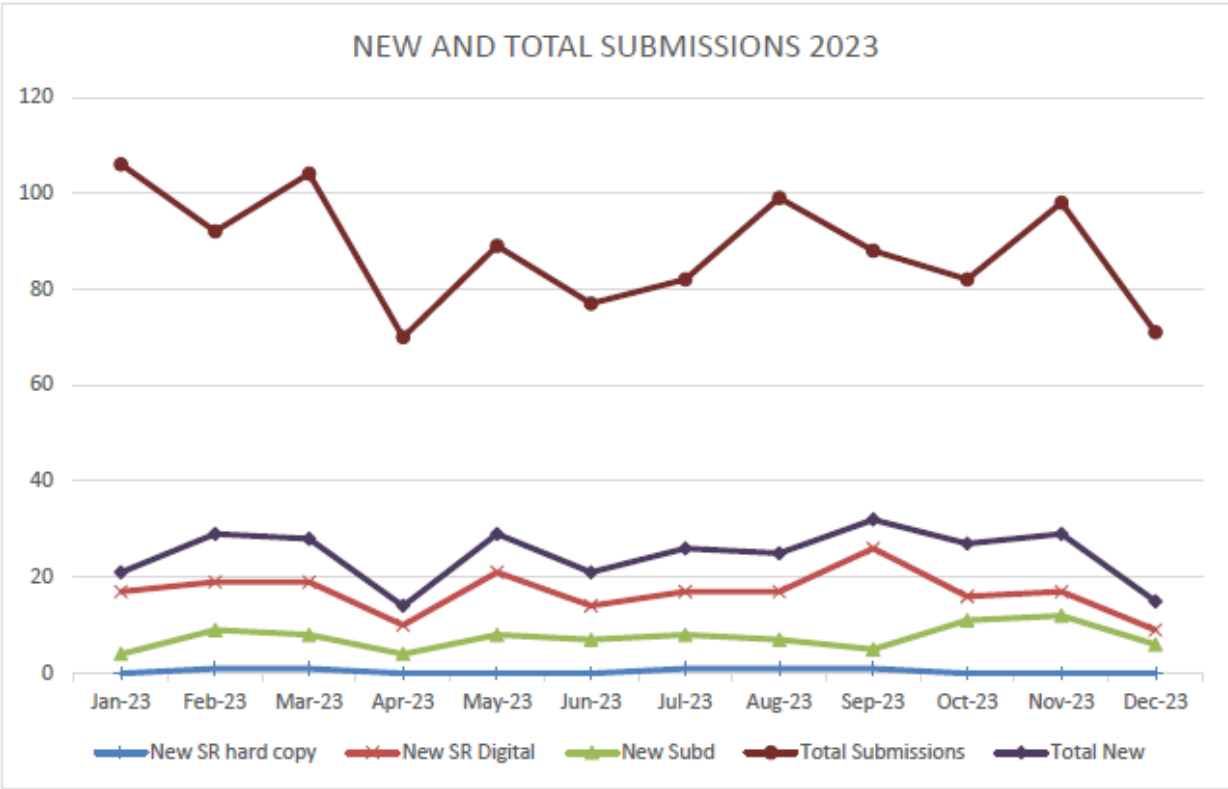


Tax Map Department

2023 Drawing Reviews

(Note: SR = Survey Record; Subd. = Subdivision)

	New SR hard copy	New SR Digital	New Subd	Re-check SR hard copy	Re-check SR Digital	Re-check Subd. hard copy	Re-check Subd. Digital	Total Submissions	Final Subd. Mylar	Total New
Jan-23	0	17	4	32	29	11	13	106	11	21
Feb-23	1	19	9	22	23	7	11	92	7	29
Mar-23	1	19	8	19	19	17	21	104	11	28
Apr-23	0	10	4	12	24	9	11	70	9	14
May-23	0	21	8	18	25	3	14	89	2	29
Jun-23	0	14	7	13	20	7	16	77	6	21
Jul-23	1	17	8	21	17	9	9	82	5	26
Aug-23	1	17	7	17	23	10	24	99	8	25
Sep-23	1	26	5	13	25	7	11	88	7	32
Oct-23	0	16	11	20	27	2	6	82	0	27
Nov-23	0	17	12	19	21	9	20	98	10	29
Dec-23	0	9	6	18	12	8	18	71	7	15



Have a question for the Tax Map Department?

Check out the frequently asked questions page on our website.

<http://wceo.us/TaxMap/FAQ.aspx>

Transportation Improvement District

Planning and construction activities were both very active in 2023. On the construction side, the following projects have been completed:

- Right turn lanes on State Route 741 at Remick Blvd in Springboro were funded with ODOT Safety funds for \$835,633.51 and constructed by the John R. Jurgensen Co.
- At the I-75/State Route 73 interchange in Franklin and Springboro, a westbound left turn lane to southbound I-75 and northbound turn lane on the exit ramp were added also with ODOT Safety funds for \$3,244,663.00 and constructed by Sunesis Construction Co.
- A roundabout at the intersection of King Avenue and Kings Court, a curve realignment and other improvements on King Avenue were completed by the Eagle Bridge Co. for \$2,763,263.00 using the Board of County Commissioners Infrastructure fund.



Construction projects that are currently underway are:

- Improvements to State Route 48 between Willow Pond Boulevard through U. S. Route 22 to Ridgeview Lane began in August 2023 with water main replacement and storm sewer construction. Widening of pavement from three lanes to five lanes began in March of 2024. Funding comes from a Surface Transportation Block grant of \$6,600,000.00 through the Ohio Kentucky Indiana Regional Council of Governments (OKI) and the Warren County Commissioners Infrastructure fund. It is scheduled to be substantially complete by the end of this year with final paving and striping activities possibly extended into 2025.
- Widening of Kings Island Drive, Kings Mills Road and Columbia Road with a new traffic signal at Kings Island Drive and Kings Center Court in the area around the new Mercy Hospital complex began in 2023 and will be completed in 2024. This is an \$8,180,000 project funded by Bon Secours Mercy Health Systems.

Construction projects that will begin in 2024 are:

- Widening of State Route 63 between Union Road and State Route 741 will begin in April 2024. This \$19,545,027.58 project funded with Ohio Transportation Review Advisory Council (TRAC) funds, ConnectOhio funds, a Congressional Supplemental Appropriation Grant has been awarded to Milcon Concrete Construction of Troy, Ohio. The pavement will be widened from two to five lanes from Union Road to a new entrance to the Warren Correction Institute and four lanes from there until State Route 741.
- Widening of Fields-Ertel Road between Snider Road and Wilkens Boulevard will begin this fall and take two years to complete. The improvement will widen the road from two to five lanes and is a joint project between Hamilton County and Warren County. This \$14,500,000 project is being funded with a Surface Transportation Block Grant allocated through OKI, OPWC funds, the Hamilton County Engineer and the Warren County Commissioners Infrastructure fund. The Warren County Engineer's Office has been managing the design sharing its cost with the Hamilton County Engineer. A portion of Wilkens Boulevard is included in this project with a roundabout being constructed at Bardes Drive. This portion of the project is funded with revenues collected from the Procter and Gamble Tax Increment Financing District.
- A roundabout is scheduled for construction at the intersection of Columbia Road at Davis Road and Myrtle Drive beginning late summer and fall. This \$3,600,000 project is being funded by the Board of Deerfield Township Trustees and the Warren County Commissioners Infrastructure fund.
- A 10 foot-wide multi-use path is under construction along Irwin-Simpson Road between Mason-Montgomery Road and Duke Boulevard in the City of Mason and Deerfield Township. This project is being funded with 80% match of federal Transportation Alternative funds allocated by OKI and 20% by the Board of Deerfield Township Trustees. A contract was awarded to Rack and Ballauer of Hamilton, Ohio to construct the path for \$682,454.10. Construction is anticipated to be completed this autumn.
- Plans for a roundabout are nearing completion and right-of-way is being acquired for a roundabout at the intersection of State Route 741 and Greentree Road in Turtlecreek Township. This \$5,000,000 project is being funded with Tax Increment Financing funds generated on the Miami Valley Games Racino property. The project is scheduled for construction in 2025.

Future projects include:

- The WCTID is working with ODOT to construct ramp improvements that complement a new traffic signal that ODOT will be funding with state traffic funds at State Route 48 at the Southbound Ramps at I-71. This project is scheduled for construction in 2025-2026.
- Realignment of Mason-Morrow-Millgrove Road between Columbia Road and Cox-Smith Road will begin in 2026. This project is funded through ODOT for the City of Lebanon.
- Widening of State Route 63 between Neil Armstrong Way and 1,000 feet east of Hamilton/McClure Road. This project is funded with a Surface Transportation Block Grant through OKI obtained by the City of Lebanon. This \$8.7 million project is scheduled for construction in 2027.

The Warren County Transportation Improvement District (WCTID) is a governmental entity created by the Warren County Board of County Commissioners. The WCTID possesses general powers to operate and fund highway-related projects with the purpose to improve the transportation system in Warren County.

Future Bridge Projects

Mason-Morrow-Millgrove Road (Pike Street) Bridge #38-3.73

Bridge #38-3.73 is in need of rehabilitation as the existing concrete box beams are deteriorating. The bridge will be rehabilitated with a new pre-stressed composite concrete box beam deck on existing concrete abutments. The project construction has been awarded to Ford Development for a bid price of \$539,090.08. The project construction will be funded by state funds from the Ohio Public Works Commission and local funds from the Warren County Engineer and the City of South Lebanon. The project was designed by the IBI Group and is scheduled for construction in early 2024. The bridge is located on Mason-Morrow-Millgrove Road (Pike Street) between Main Street and High Street in the City of South Lebanon.

Roachester-Cozaddale Road Bridge #52-4.02

Bridge #52-4.02 is in need of rehabilitation as the existing concrete box beams have deteriorated to a point where the bridge is currently posted for reduced loads. The bridge will have the existing deteriorated pre-stressed concrete box beam deck replaced with a new pre-stressed composite concrete box beam deck utilizing the existing concrete abutments. The project construction has been awarded to Ford Development for a bid price of \$478,171.90. The project construction will be funded by state funds from the Federal to State Funding Exchange for Local Bridge Replacement Projects and local funds from the Warren County Engineer. The project was designed by LJB Inc. and is scheduled for construction in the summer of 2024. The bridge is located on Rochester-Cozaddale Road between Morrow-Rossburg Road and Achterman Road in Harlan Township.

McClure Road Bridge #71-0.39

Bridge #71-0.39 is in need of rehabilitation as the existing concrete box beams have deteriorated to a point where the bridge is currently posted for reduced loads. The bridge will be rehabilitated with a new pre-stressed composite concrete box beam deck on existing concrete abutments supported by driven piles. The project construction has been awarded to DDK Construction for a bid price of \$507,530.50. The project construction will be funded by state funds from the Federal to State Funding Exchange for Local Bridge Replacement

Projects and local funds from the Warren County Engineer. The project was designed by Palmer Engineering and is scheduled for construction in summer/fall of 2024. The bridge is located on McClure Road between US 42 and Hamilton Road in the City of Lebanon.

Stephens Road Bridge #158-0.92

Bridge #158-0.92 is in need of replacement as the existing concrete box beams have deteriorated to a point where the bridge is currently posted for reduced loads. The bridge will be replaced with a new precast concrete box culvert type bridge. The project construction cost is estimated at \$600,000. The project construction and design will be funded completely by federal Bridge Formula Program funds. The project is currently being designed by LJB Inc. and is scheduled for construction in the summer/fall of 2024. The bridge is located on Stephens Road between Hargus Drive and Village Green Parkway in Hamilton Township.

Township Line Road Bridge #134-3.76

Bridge #134-3.76 is in need of replacement as the existing stone arch structure is deteriorating to a point where the bridge is currently posted for reduced loads. The bridge will be replaced with a new precast three sided flat top concrete culvert type bridge. The project also involves a roadway fill for a sag vertical profile improvement in the vicinity of the bridge. The project was designed by LJB Inc. and is scheduled for construction in 2025. The project construction cost is estimated at \$550,000. The project construction will be funded by state funds from the Federal to State Funding Exchange for Local Bridge Replacement Projects and local funds from the Warren County Engineer. The bridge is located on Township Line Road between SR 73 and Lower Springboro Road in Clearcreek and Wayne Townships.

Mason-Morrow-Millgrove Road Bridge #38-0.37

Bridge #38-3.73 is in need of replacement as the existing concrete box beams are deteriorating to a point where the bridge is currently posted for reduced loads. The bridge will be replaced with a new pre-stressed concrete I-beam superstructure resting on concrete stub abutments supported by drilled concrete shafts.

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Future Bridge Projects

The new bridge will accommodate vehicular traffic and as well as pedestrians and bikes. The project construction cost is estimated at \$1,500,000. The project construction will be funded by state funds from the Ohio Public Works Commission and local funds from the Warren County Engineer and the City of Mason. The project is currently being designed by Fishbeck, Inc. and is scheduled for construction in 2025. The bridge is located on Mason-Morrow-Millgrove Road between US 42 and Stone Ridge Drive in the City of Mason.

Grog Run Road Bridge #147-0.47

Bridge #147-0.47 is in need of replacement as the existing concrete box beams have deteriorated to a point where the bridge is currently posted for reduced loads. The bridge will be rehabilitated with a new pre-stressed composite concrete box beam deck on existing concrete abutments. The project construction cost is estimated at \$500,000. The project construction will be funded completely by federal Bridge Formula Program funds. The project is currently being designed by the Ribway Engineering Group and is scheduled for construction in 2026. The bridge is located on Grog Run Road between Hampton Glen Lane and Harrison in Hamilton Township.

County Road 182 Bridge #182-0.10

Bridge #182-0.10 is in need of rehabilitation as the existing concrete box beams have deteriorated to a point where the bridge is currently posted for reduced loads. The bridge will be rehabilitated with a new pre-stressed composite concrete box beam deck on existing concrete abutments and piers that are supported by driven piles and drilled concrete shafts. The project construction cost is estimated at \$2,100,000. The project construction will be funded by state funds from the Federal to State Funding Exchange for Local Bridge Replacement Projects and local funds from the Warren County Engineer. The project is being designed by Korda Engineering and is scheduled for construction in 2027. The bridge is located on County Road 182 over the Little Miami River between Emmons Road and Corwin Road in Turtlecreek and Washington Townships.

Butler-Warren Road Bridge #2-9.47

Bridge #2-9.47 is in need of replacement as the existing jack arch structure with concrete extensions is deteriorating. The bridge will be replaced with a new precast concrete box culvert type bridge. The project construction cost is estimated at \$400,000. The project construction will be funded by local funds from the Warren County Engineer, Butler County Engineer, and the City of Monroe. The project is currently being designed by the Warren County Engineer and is scheduled for construction in 2025 or 2026. The bridge is located on Butler-Warren Road between Nickel Road and Mason Road in the City of Monroe.

Old 3^C Highway Bridge #10A-0.86

Extension and Slip Repair

Bridge #10A-0.86, over a Branch of Todds Fork, headwall is in need of repair which has caused the shoulder to slip. The existing bridge will be extended with an aluminum pipe arch structure to allow for proper grading of the shoulder. The project construction will be funded by the Warren County Engineer. Construction is scheduled for 2024. The bridge is located on Old 3^C Highway at the intersection of SR350 in Washington Township.

Oregonia Road Culvert #12-6.04 and Embankment Stabilization

Culvert #12-6.04 is in need of rehabilitation as the existing concrete arch culvert is deteriorating. The existing culvert will be slip-lined by force account with a 48" conduit. The conduit will be extended to allow for proper grading of the shoulder. The project cost estimate is \$150,000 and the project construction will be funded by the Warren County Engineer. Construction is scheduled for 2024. The culvert is located on Oregonia Road just east of Corwin Road in Washington Township.

Lower Springboro Road Bridge #22-2.18

Bridge #22-2.18, over a Branch of Clear Creek, is in need of replacement as the existing concrete culvert is deteriorating. The existing bridge will be replaced by force account or bid with a 10'x5' reinforced precast concrete box culvert. The project was designed in-house and is scheduled for construction the summer of 2024.

Continued on next page →

Future Roadway Projects

The project cost estimate is \$150,000 and the project construction will be funded by the Warren County Engineer. The bridge is located on Lower Springboro Road just west of Clearcreek Park in Franklin Township.

Greentree Road Bridge #20-4.14

Bridge #20-4.14, over Shaker Creek, is in need of replacement as the existing concrete culvert is deteriorating. The existing bridge will be replaced with a reinforced concrete box culvert in this structural design build project. The project cost estimate is \$300,000 and the project construction will be funded by the Warren County Transportation Improvement District. The project is scheduled for construction in conjunction with the Greentree Road and SR741 Roundabout Project during the spring or summer of 2025. The bridge is located on Greentree Road between Shaker Road and SR741 in Turtlecreek Township.

New Burlington Road Bridge #36-1.65

Bridge #36-1.65, over a Branch of the Little Miami River, is in need of replacement as the existing concrete culvert is deteriorating. The existing bridge will be replaced by force account or bid with a 14'x5' reinforced precast concrete box culvert. The project was designed in-house and is scheduled for construction the spring or summer of 2025. The project cost estimate is \$200,000 and the project construction will be funded by the Warren County Engineer. The bridge is located on New Burlington Road between the Village of Corwin and Furnas-Oglesby Road in Wayne Township.

Clarksville Road Bridge #37-4.07

Bridge #37-4.07, over a Branch of Flat Fork, is in need of replacement as the existing concrete culvert is deteriorating. The existing bridge will be replaced by force account or bid with a 10'x5' reinforced precast concrete box culvert. The project was designed in-house and is scheduled for construction the spring or summer of 2025. The project cost estimate is \$200,000 and the project construction will be funded by the Warren County Engineer. The bridge is located on Clarksville Road between Sherod Road and Huddleson Road in Massie Township.

Fields-Ertel Road Widening Project

In partnership with the Hamilton County Engineer's Office, WSP, Inc. has completed the design for the widening of Fields-Ertel Road. The project will widen Fields-Ertel Road from two lanes to five lanes which will include a center two-way left turn lane, profile adjustment, sidewalks and a few large retaining walls in Deerfield Township in Warren County and Sycamore and Symmes Townships in Hamilton County. The project construction begins just west of the Snider Road and Fields-Ertel Road intersection to the I-71 south-bound on ramp. There will also be widening and associated improvements on Snider Road and Wilkens Blvd. The project cost estimate for this improvement is \$14,500,000. This project is set to begin construction in the summer of 2024 with utility relocation currently underway. This project is funded by the Warren County Engineer, Hamilton County Engineer, ODOT Surface Transportation Block Grant (STBG) and Ohio Public Works Commission (OPWC). The project is being managed by the Warren County Transportation Improvement District.

Wilkens Blvd. and Bardes Road Roundabout Project

WSP, Inc. has completed the design for a roundabout at the intersection of Wilkens Blvd. and Bardes Road in Deerfield Township. The improvements will include a new roundabout and associated roadway work. Construction of the project is scheduled to be constructed during the Fields-Ertel Road Widening Project in the summer of 2024 or 2025 with utility relocation currently underway. The project cost estimate for this improvement is \$2,400,000. The project design and the construction will be funded by the Warren County Transportation Improvement District.

Warren County Engineer's
Office maintains 386 bridges,
22 of them are load limit
posted bridges.

Future Roadway Projects

Columbia Road and Davis Road/Myrtle Ave. Roundabout Project

Carpenter Marty Transportation is currently designing a roundabout at the offset intersection of Columbia Road and Davis Road/Myrtle Ave. in Deerfield Township. The improvements will include a new roundabout, reinforced precast concrete box culvert, profile adjustments and associated roadway work. Construction of the project is scheduled for summer of 2024 with utility relocation currently underway. The project cost estimate for this improvement is \$3,600,000. The project design and the construction will be funded by the Warren County Engineer, Deerfield Township and the Board of County Commissioners Infrastructure Fund through the Warren County Transportation Improvement District. The project is being managed by the Warren County Transportation Improvement District.

Columbia Road and Mason-Morrow-Millgrove Road Roundabout Project

American StructurePoint has completed the design for a temporary/mini roundabout and a full roundabout at the east intersection of Columbia Road and Mason-Morrow-Millgrove Road in Union Township. The temporary/mini roundabout improvements will include a new modular roundabout and associated roadway work. Construction of the temporary/mini roundabout project is scheduled for spring or summer of 2024 with utility relocation currently underway. The preliminary cost estimate for the temporary/mini roundabout improvement is \$400,000. The reasoning behind the temporary/mini roundabout is there is a weight reduced bridge on Mason-Morrow-Millgrove Road near the sports park, a weight reduced bridge on Columbia Road near the Turtlecreek Road intersection and a weight reduced bridge on Kingsview Drive prior to Turtlecreek Road. Due to these weight reduced bridges and the upcoming replacement of two of these weight reduced bridges in 2025, a temporary roundabout will be constructed to ensure safety and to reduce traffic congestion at the Columbia Road and Mason-Morrow-Millgrove Road intersection. Construction of the full roundabout project is scheduled for late summer of 2025 or summer of 2026. The full roundabout improvements will include a new roundabout and associated roadway work. The preliminary cost estimate for the

full roundabout improvement is \$1,000,000. Both project designs and both construction projects will be funded by the Warren County Engineer and the Board of County Commissioners Infrastructure Fund through the Warren County Transportation Improvement District. The project is being managed by the Warren County Transportation Improvement District.

Greentree Road and SR741 Roundabout

Jacobs Engineering Group, Inc. is wrapping up the final design for the proposed roundabout at the intersection of Greentree Road and SR741 in Turtlecreek Township. The improvements will include a new roundabout, profile adjustments, a culvert replacement, and associated roadway work. Construction of the project is scheduled for 2025 with utility relocation beginning in 2024. The preliminary cost estimate for the improvement is \$5,000,000. The project design and the construction will be funded by the Warren County Transportation Improvement District.

“Roundabouts have proven to be much safer than traffic signals. The projected injury crash rate for roundabouts is half that of traditional signals.”
-transportation.ohio.gov

Olive Branch Road Drilled Pier Wall Project

Olive Branch Road currently has a roadway slide and is in need of a drilled pier wall to stabilize the roadway. The project will consist of constructing approximately 120 feet of drilled pier wall along Olive Branch Road between Corwin Road and Murray Road in Washington Township. The project was designed by Terracon Consultants Inc. and W.E. Smith Construction was awarded the bid price of \$131,525.00. The project will be completed in the summer of 2024 and is funded by the Ohio Public Works Commission (OPWC) and the Warren County Engineer.

Guardrail Project 2024

Warren County is planning to erect new sections of guardrail, as well as replace old sections of various lengths located in several areas throughout Hamilton Township, Harlan Township, and Salem Township. The project was awarded to M.P. Dory for a bid price of \$213,298.50. The project construction will be funded by the Warren County Engineer.



Warren County is currently regulated by a stormwater permit from the Ohio EPA required by Phase II of the National Pollution Discharge Elimination System (NPDES), we refer to it as just “Phase II.” The goal of the program is to protect the quality of our streams, lakes, and groundwater. The Stormwater District, a department of the Engineer’s Office, coordinates this permit for other entities including the Townships of Clearcreek, Franklin, Hamilton, Turtlecreek, and Union, City of South Lebanon and the Village of Maineville. The requirements of the permit are met by collaborating with other local agencies such as the Warren County Combined Health District and the Warren County Soil and Water Conservation District (SWCD).

Throughout 2023, we continued our efforts to fulfill the permit requirements by providing education and outreach on stormwater quality to residents ranging in age from school children to adults. This happens through classroom programs and at local festivals and events with the mobile Thomas C. Spellmire Water Conservation Education Exhibit. In anticipation of a new permit in 2023 from Ohio EPA, the Stormwater District and the SWCD have updated the stormwater management and erosion and sediment control regulations along with the stormwater management plan. Lastly, local partnerships allowed for continued mapping of home sewage treatment systems (HSTSs) that were not included in previous mapping efforts.

Find out how you can do your part to protect water quality by visiting our website: <http://www.wceo.us/Stormwater/Default.aspx>

Guide to County Stormwater Services

Warren Co. Engineer's Office

Warren Co. Soil and Water Conservation District

www.wceo.us | (513) 695-3308

www.warrenswcd.com | (513) 695-1337

- Stormwater Regulations, Plan Reviews, and Post-Construction
- Stormwater Management
- Phase II Permit Administration
- Mapping
- Pollution Prevention / Education and Outreach
- Driveway Culverts
- Illicit Discharge Detection and Elimination

- Construction Site Runoff Control, Erosion and Sediment Control Plan Reviews
- General Drainage Issues
- Streams and Rain Gardens
- Public Education and Outreach
- Retention/Detention Basin Inspections Ponds



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WARREN COUNTY

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