

2022 ANNUAL REPORT

Warren County Engineer's Office



<http://www.WCEO.us>

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Neil F. Tunison, P.E., P.S. Warren County Engineer



Dear Citizens of Warren County,

Road and bridge activity increased at a great pace in 2022. The Warren County Transportation District working with the Ohio Department of Transportation opened a new ramp from southbound Mason-Montgomery Road onto southbound I-71 in December. A joint project with the Butler County Engineer's Office to cut the hill on Butler-Warren Road south of Princeton and widen the road to three lanes between Bethany Road and Roberts Park was completed in late summer.

The King Avenue bridge replacement over the Little Miami State and National Scenic River began in 2022. It is the largest single construction project undertaken by this office with a two-span 520 foot long steel girder bridge. This crossing also spans the Little Miami Trail, one of the busiest parks in Ohio, with a concrete arch bridge. The \$22 million project is funded through the Ohio Local Bridge Replacement fund, Ohio Kentucky Indiana Regional Council of Governments (OKI), Ohio Public Works Commission (OPWC), 2022 Federal Appropriations Bill and the county road and bridge fund. Various local utilities are funding their facilities to be attached to the bridge. The King Avenue/Grandin Road and the Little Miami Trail are scheduled to be completely open in December.

The Warren County Transportation Improvement District using funds from the Board of Warren County Commissioners to leverage federal dollars is developing the construction plans and acquiring right-of-way for widening of State Route 63 between Union Road and State Route 741 and for widening of State Route 48 between Willow Pond Boulevard and Ridgeview Lane in Hamilton Township. Duke Energy is nearing completion of a very complicated realignment of high voltage transmission lines to make way for the State Route 63 widening project. Bids will be opened in late autumn and construction of the \$20 million project will take two years. Widening of State Route 48 between Willow Pond Boulevard and Ridgeview Lane from two and three lanes to five lanes will begin this summer. This will be a two-year project, also. Plans for widening to five lanes of Fields-Ertel Road between Snider Road and Escort Drive is underway that includes a roundabout at intersection of Wilkens Boulevard at Bardes Drive that will permit better traffic flow from Wilkens Boulevard to southbound I-71. This project will begin in 2024. The Hendrickson Road bridge over Dicks Run is scheduled for this summer. The \$600,000 project is funded through LBR funds. Four other bridge projects funded with county road and bridge funds are scheduled throughout the county.

The TID is also working on construction plans to signalize the southbound I-71 ramps at State Route 48 and other ramp improvements scheduled to begin in late 2025. Widening of Kings Island Drive and Kings Mills Road will begin this summer and include roadway improvements needed for the Secour Mercy Health Hospital under construction.

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 2022 Annual Report very informative, a review of hard work and accomplishments of my entire staff and our local partners.

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

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

Ohio Revised Code 5543.02 Annual Report

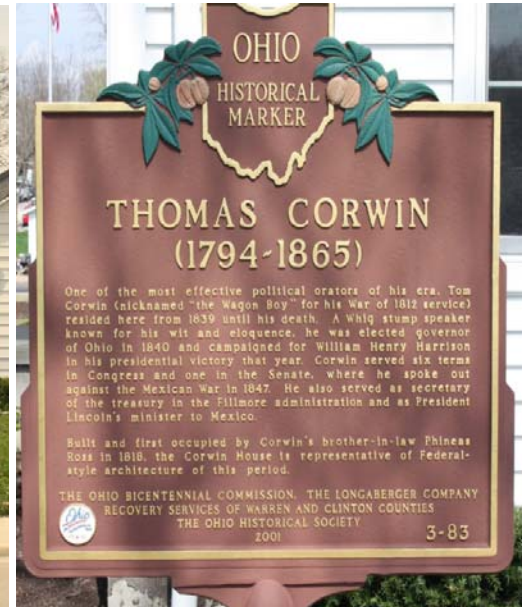
The county engineer shall report to the board of county commissioners, on or before the first day of June in each year, the condition of the county roads, bridges, and culverts, and estimate the probable amount of funds required to maintain and repair or to construct any new roads, bridges, or culverts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



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 building, including two salt storage bins, with two additional locations: one in Wayne Township and one in Harlan Township.

FINANCIAL HIGHLIGHTS FOR 2022

EXPENDITURES

Payroll	\$2,472,367.74
Equipment & Facilities	\$3,493,759.45
Benefits	\$757,008.54
Other	\$159,429.56
Capital Improvements	\$1,063,418.67
Insurance	\$4,023.29
Material & Maintenance	\$880,029.36
	\$8,830,036.61

REVENUE

Investments	\$0.00
Reimbursement	\$548,784.34
Sales	\$94,373.08
GIS	\$0.00
Gas Tax	\$3,373,076.53
Vehicle License	\$7,861,303.21
	\$11,877,537.16

BRIDGE PROJECTS

Middleboro Road Bridge #45-0.16

Warren County replaced the Middleboro Road Bridge #45-0.16 over Lick Run during the summer of 2022. The bridge is located on Middleboro Road between the Clinton County line and Henry-Plummert Road in Harlan Township. W.E. Smith Construction replaced the existing bridge with a reinforced concrete cast-in-place culvert structure via a structural design build. The project cost \$192,791.95 and the project construction was funded by the Warren County Engineer.



Crossley Road Bridge #127-0.51

Warren County replaced the Crossley Road Bridge #127-0.51 over Branch of Rapid Run during the summer of 2022. The bridge is located on Crossley Road between Red Lion-Five Points Road and Lytle-Five Points Road in Clearcreek Township. It was a force account project that consisted of removing the existing bridge and replacing with a reinforced concrete box culvert. The project cost \$90,347.98 and the project construction was funded by the Warren County Engineer.



Stubbs-Mill Road Bridge #35-0.23

Warren County removed the Stubbs-Mill Road Bridge #35-0.23 over Big Foot Run during the spring of 2022. The bridge was located on Stubbs-Mill Road between US22/SR3 and Mason-Morrow-Millgrove Road in Hamilton Township. It was a force account project that consisted of removing the existing bridge. The project cost \$41,305.36 and the project construction was funded by the Warren County Engineer.



ROAD PROJECTS

Columbia Road Turn Lane Project

Warren County completed the addition of a right turn lane on northbound Columbia Road at US22/SR3 in Deerfield Township in the summer of 2022. Rack & Ballauer Excavating Co., Inc. completed the improvements which included a right turn lane, signal modifications and associated roadway work. The project cost \$446,781.39 and the project construction was funded by the Warren County Engineer.



Butler Warren Road Widening Project

Warren County completed, in partnership with the Butler County Engineer's Office, the widening of Butler-Warren Road from Bethany Road to Roberts Park in the summer of 2022. The project was located in Deerfield Township and in Liberty Township (Butler County). KT Supply, LTD completed the improvements which included widening from two lanes to three lanes, profile modification at Princeton Road (Butler County) and associated roadway work. The project bid cost \$2,081,951.45 and was funded by the Warren County Engineer, Butler County Engineer, and Ohio Public Works Commission (OPWC).



FUTURE/CURRENT PROJECTS

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



Bridge #282-0.97 is currently under construction for a relocation replacement structure, as the existing concrete box beam bridge has deteriorated to a point where the bridge is currently posted for reduced loads. The new relocated bridge is being constructed upstream of the existing crossing. The new bridge will be a two span steel girder bridge that will accommodate vehicles, pedestrians, and bikes. The project includes road improvements to the bridge approaches and will provide a grade separation between Grandin Road and the Little Miami Scenic Trail. The Eagle Bridge Company is completing the construction of the project for a bid price of \$22,047,747.70. The project construction is being funded by federal Local Bridge Replacement funds, federal Surface Transportation Program funds, state Ohio Public Works Commission 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. The project construction started in February of 2022 and completion currently is expected by the end of 2023. The bridge is located on King Avenue over the Little Miami River along the Deerfield and Hamilton Township Line.



FUTURE BRIDGE PROJECTS

Hendrickson Road Bridge #80-0.19

Bridge #80-0.19 is in need of rehabilitation as the existing concrete box beams have deteriorated. 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 total project cost is estimated at \$500,000. The project construction will be funded completely by federal Bridge Formula Program funds. The project was designed by the IBI Group and is scheduled for construction in 2023. The bridge is located on Hendrickson Road between Audubon Drive and Bendel Drive in Turtlecreek Township.

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 total project cost is estimated at \$450,000. The project construction will be funded by state funds from 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 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 total project cost is estimated at \$600,000. The project construction will be funded by state funds from the from Federal to State Funding Exchange for Local Bridge Replacement Projects and local funds from the Warren County Engineer. The project is currently being designed by Palmer Engineering and is scheduled for construction in 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 total project cost is estimated at \$375,000. 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 2024. The bridge is located on Stephens Road between Hargus Drive and Village Green Parkway in Hamilton Township.

Mason-Morrow-Millgrove Road 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 total project cost is estimated at \$600,000. 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 South Lebanon. The project was designed by the IBI Group and is tentatively scheduled for construction in 2024. The bridge is located on Mason-Morrow-Millgrove Road (Pike Street) between Main Street and High Street in the City of South Lebanon.

Township Line Road Bridge #134-3.76 Replacement

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 2025. The total project cost is estimated at \$475,000. The project construction will be funded by state funds from the Ohio Public Works Commission 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.

FUTURE PROJECTS

Mason-Morrow-Millgrove Road Bridge #38-0.37

Bridge #38-0.37 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 new bridge will be some type of precast concrete beams bearing on concrete abutments supported by drilled concrete shafts. The new bridge will accommodate vehicular traffic and as well as pedestrians and bikes. The total project cost is estimated at \$1,200,000. 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.

Harlan Carroll Road Bridge#221-0.84

Bridge #221-0.84 is in need of replacement as the existing concrete slab bridge is deteriorating. The existing bridge will be replaced with a 16'x5' reinforced concrete box culvert. The project was designed in-house and is scheduled for construction the summer of 2023. The project cost estimate is \$170,000 and the project construction will be funded by the Warren County Engineer. The bridge is located on Harlan-Carroll Road between Huddleson Road and Harveysburg Road in Massie Township.

Hamilton Road Bridge #13-3.46

Bridge #13-3.46 is in need of replacement as the existing concrete box culvert is deteriorating. The existing bridge will be replaced with a 10'x8' reinforced concrete box culvert. The project was designed in-house and is scheduled for construction the summer of 2023. The project cost estimate is \$200,000 and the project construction will be funded by the Warren County Engineer. The bridge is located on Hamilton Road between SR741 and Keever Road in Turtlecreek Township.

Shaker Road Bridge #48-5.93

Bridge #48-5.93 is in need of replacement as the existing concrete box culvert is deteriorating. The existing bridge will be replaced with a 12'x8' reinforced concrete box culvert. The project was designed in-house and is scheduled for construction the summer of 2023. The project cost estimate is \$180,000 and the project construction will be funded by the Warren County Engineer. The bridge is located on Shaker Road just north of Decker Road in Franklin Township.

Lower Springboro Road Bridge #22-2.18

Bridge #22-2.18 is in need of replacement as the existing concrete culvert is deteriorating. The existing bridge will be replaced by force account with a 10'x5' reinforced concrete box culvert. The project was designed in-house and is scheduled for construction the summer of 2024. The project cost estimate is \$100,000 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.

Old 3'C Highway Bridge #10A-0.86 Extension and Slip Repair

Bridge #10A-0.86 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 2023. The bridge is located on Old 3'C Highway at the intersection of SR350 in Washington Township.

FUTURE PROJECTS

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 \$100,000 and the project construction will be funded by the Warren County Engineer. Construction is scheduled for 2023. The culvert is located on Oregonia Road just east of Corwin Road in Washington Township.

Columbia Road and Davis Road/Myrtle Ave. Roundabout Project

Carpenter Marty Transportation is currently designing a roundabout at the intersection of Columbia Road and Davis Road/Myrtle Ave. in Deerfield Township. The improvements will include a new roundabout at the offset intersection, profile adjustments and associated roadway work. Construction of the project is scheduled for 2024 with utility relocation beginning in 2023. The preliminary cost estimate for the improvement is \$1,300,000. The project design and the construction will be funded by the Warren County Engineer, Deerfield Township and Ohio Public Works Commission (OPWC)

Fields-Ertel Widening Project

In partnership with the Hamilton County Engineer's Office, WSP, Inc. is currently designing 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 intersection to the I-71 southbound on-ramp. There will also be widening and associated improvements on Snider Road and Wilkens Blvd. The project cost estimate is \$12,500,000. This project is set to begin construction in spring 2024 with utility relocation beginning in 2023. This project is funded by the Warren County Engineer, Hamilton County Engineer, ODOT Surface Transportation Block Grant (STBG) and Ohio Public Works Commission (OPWC).

Wilkens Blvd. and Bardes Road

WSP, Inc. is currently designing 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 2024 with utility relocation beginning in 2023. The preliminary cost estimate for the improvement is \$2,200,000. The project design and the construction will be funded by the Warren County Transportation Improvement District.

Greentree Road and SR 741 Roundabout Project

Jacobs Engineering Group, Inc. is currently designing a roundabout at the intersection of Greentree Road and SR741 in Turtlecreek Township. The improvements will include a new roundabout, profile adjustments and associated roadway work. Construction of the project is scheduled for 2024 with utility relocation beginning in 2023. The preliminary cost estimate for the improvement is \$3,000,000. The project design and the construction will be funded by the Warren County Transportation Improvement District.

Columbia Road and Mason-Morrow-Millgrove Road Roundabout Project

American StructurePoint is currently designing a roundabout at the east intersection of Columbia Road and Mason-Morrow-Millgrove Road in Union Township. The improvements will include a new roundabout 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 \$900,000. The project design and the construction will be funded by the Warren County Transportation Improvement District.

FUTURE PROJECTS

2022 Resurfacing Project

Contractor: John R. Jurgensen Co.

Cost: \$5,207,735.50 (WCEO portion was \$2,880,120.12, Township portion was \$2,327,615.38)

Warren County Roads (12.493 Miles)

Fields-Ertel Road (CR 1), Wilmington Road (CR 7), Dixie Highway (CR 19), Socialville-Fosters Road (CR 32), Middleboro Road (CR 45), Lytle-Five Points Road (CR 46)

Reclamite Asphalt Rejuvenator was also applied to all Warren County roads that were resurfaced. Reclamite restores the reactive maltene components of asphalt that are damaged due to hot plant operations and placement of asphalt. It is expected that Reclamite will extend the pavement life by 4-6 years and reduce the life-cycle cost by approximately 20%.

Township Roads

Clearcreek Township (4.72 Miles)

Pekin Road (TR 53), Red Lion-Five Points Road (TR 126), Dearth Road (TR 123), Applewood Lane (TR 456), Sycamore Trails Drive (TR 509), Foxdale Drive (TR 778), Waynesboro Way (TR 1108), Cahall Drive (TR 1193), Hickory Point (TR 1260), Old Woods Court (TR 1263), Timber Walk Court (TR 1265), Magnolia Drive (TR 1534), Treeline Court (TR 2182), Palm Trace Court (TR 2257), Bending Willow Court (TR 2304), Buckeye Court (TR 2458), Iris Trail (TR 2459), Ridgewood Place (TR 495), Cottonwood Place (TR 496), Nicole Lane (TR 497), Kristan Lane (TR 498), Patton Drive (TR 510), Birchcreek Way (TR 511), Highpoint Drive (TR 512), Wildwood Place (TR 513), Oaknoll Drive (TR 514), Hawthorne Place (TR 515)

Franklin Township (.157 Miles)

Woodhill Cemetery – Section H

Hamilton Township (7.241 Miles)

Maineville Road (TR 34), Swigert Road (TR 160), Pleasant-Renner Road (TR 172), Ascot Drive (TR 667), Tyndale Court (TR 723), Langton Court (TR 724), Dunstan Court (TR 725), Avebury Court (TR 726), Pickering Grove (TR 731), Essex Glenn (TR 732), Indian Wells Drive (TR 781), Midnight Sun Drive (TR 782), Crossbow Drive (TR 783), Misty Dawn Drive (TR 784), Meadow Springs Drive (TR 785)

Harlan Township (1.343 Miles)

Lundy-Whitacre Road (TR 198), Jackson-Runyan Road (TR 256), Roachester-Cozaddale Road (TR 52), Woodward-Claypool Road (TR 204)

Salem Township (2.570 Miles)

Waynesville Road (TR 39)

Turtlecreek Township (1.754 Miles)

Drake Road (TR 100)

2022 Resurfacing Project

Township Roads

Union Township (.593 Miles)

Glosser Richardson (TR 76), Dry Run Road (TR 81),

Village of Maineville Roads (0.157 Miles)

Maineville Road (TR 34)

Wayne Township (1.525 Miles)

Cook-Jones Road (TR 140)

2022 Chip Seal Project

Contractor: Miller-Mason Paving Company

Cost: (WCEO portion was \$0.00, Township portion was \$220,668.92)

Township Roads

Harlan Township (3.108 Miles)

Entz-Shawhan Road (TR 189), Collins-Riley Road (TR 192), Fischer Road (TR 205)

Massie Township (3.394 Miles)

O'Neill Road (TR 229), Furnas-Oglesby Road (TR 232), Gard Road (TR 233), Stockholm Ct. (TR 1255)

Salem Township (.26 Miles)

Halls Creek Road (TR 84)

Washington Township (5.162 Miles)

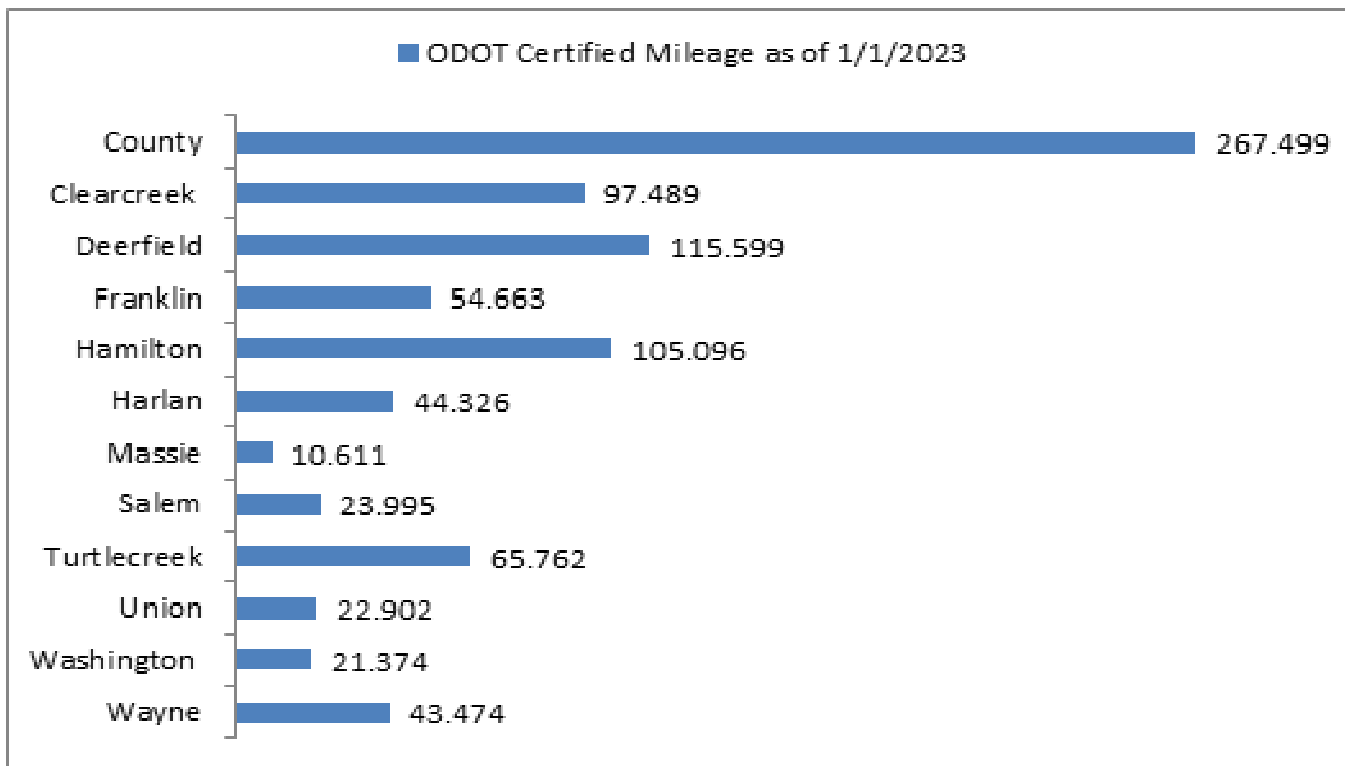
Strout Road (TR 207), Indian Lakes Boulevard (TR 1409), Arrowhead Lane (TR 1410), Flint Trail Drive (TR 1556), Arabian Run Drive (TR 2174), Paddock View Court (TR 2175), Stable View Court (TR 2176)

Wayne Township (3.237 Miles)

Sales Road (TR 235), Ellis-Lincoln Road (TR 236), Cierra Way (TR 1549), Justin Court (TR 1550), Isaac Court (TR 1551), Mazola Court (TR 1552)

PLANNING AND DESIGN OVERVIEW AND STATS 2022:

- Construction Plan Review
 - ◇ 17 new submittals
 - ◇ 38 total submittals
- Record plat review
- Handle bonds for streets and appurtenances
 - ◇ Obtain bonds for new subdivisions with public streets or public roadway improvement projects
 - * 22 new bonds acquired
 - * A total of \$2,505,924.19 in new bonds
 - ◇ Reduce bonds after completion of improvements
 - ◇ Release bonds once accepted by the townships
 - * 22 bonds released
 - ◇ Currently \$50,362,813.10 worth of future public streets/improvements in development
- Subdivision Inspection
 - ◇ Perform subdivision walk-throughs & create punch lists to turn the streets over for public maintenance.
 - ◇ 54 street segments turned over for public maintenance to the townships, a total of 6.476 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, Pleasant Plain, and the City of South Lebanon.
 - ◇ Over 600 new residential addresses issued, not including those issued by Driveway Culvert Permits
 - ◇ In 2021 we, along with other departments, started planning and designing a new addressing system. It is currently in the development stage. We hope to start using the new system late 2023.
- Manage road inventory/assign road numbers for the unincorporated portions of the County
- Review and coordinate the ODOT road mileage certification for the County and townships



Transportation Improvement District

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.



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A ramp constructed from southbound Mason-Montgomery Road to southbound I-71 was opened in late December 2022. The \$4,732,018 project was constructed by Eagle Bridge of Sydney Ohio. The \$7.2 million project was funded with \$5.4 in Federal Surface Transportation Block Grant funds allocated through the Ohio Kentucky Indiana Regional Council of Governments (OKI).

Improvements to State Route 48 from Nunner Road to Ridgeview Drive in Hamilton Township are scheduled to begin this summer. The \$14 million construction project will widen the two and three lane road to five and six lanes. Bids will be opened in early May. Funding comes from OKI for \$6 million in a \$5.4 million Surface Transportation Block Grant allocated through OKI. Intersection improvements are scheduled to begin this summer on State Route 741 at Remick Boulevard in Springboro.

Bids for the \$800,000 project funded with Federal Safety funds allocated through ODOT will be opened in late March. Another safety improvement project adding turn lanes at the I-75 interchange at State Route 73 will also begin this summer. Bids for the \$3 million project will be opened in late March and is also funded with Federal Safety funds through ODOT.

Widening of Kings Island Drive and Kings Mills Road begin this summer and include roadway improvements needed for the Secour Mercy Health Hospital under construction. Turn lanes in front of Kings Mills Elementary School, a roundabout at King Avenue/Kings Court, and a curve realignment are scheduled to begin this summer and is being coordinated with construction of the King Avenue bridge over the Little Miami River. The latter projects, with a total of \$3.2 million are funded by Deerfield Township and the Board of Warren County Commissioners.

Widening of State Route 63 to four and five lanes along with the flattening of several hills is scheduled to begin in 2024. Bids are scheduled to be opened in December 2023 and construction will continue into 2025. Funding for the \$20 million project comes through the Transportation Review Advisory Council (an ODOT agency), allocation from the federal 2021-22 budget, and the Board of Warren County Commissioners.

The WCTID is working with the Hamilton County Engineer to widen Fields Ertel Road from two lanes to five lanes between Snider Road and Escort Drive. The project also includes a roundabout at the intersection of Wilkens Boulevard and Bardes Road. This \$14 million project is funded with Federal Surface Transportation Block Grant funds allocated through OKI, The Hamilton County Road and Bridge fund, the Board of Warren County Commissioners and the Ohio Public Works Commission.

Tax Map Department

Accomplishments

Digital Drawing Review

- Acquired Bluebeam Revu software and Iplan Table system.
- Survey drawing submissions are being reviewed digitally now.
- Property Index Cards—Began imaging and inputting data into On-Base.
- Staffing—Hired 2 new employees and began training on document and drawing review.



Functions

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

- Per O.R.C. 315.25, we create and maintain an accurate record of surveys of land and road lines.
- Per O.R.C. 315.251, we determine if survey plats and descriptions satisfy the minimum for boundary surveys pursuant to Chapter 4733.
- Per O.R.C. 315.27, we create and maintain indexes of records.
- Per O.R.C. 317.34, we approve subdivisions for the office of Recorder.
- Per O.R.C. 319.203, we adopt standards of conveyance and ensure compliance.
- Per O.R.C. 709.031(A), we prepare a report for petitions of annexations.
- Per O.R.C. 713.26, we assist the regional planning commission.
- Per O.R.C. 5311.05, we review condominium declarations.
- Per O.R.C. 5713.09, we make, correct, and maintain a complete set of tax maps.

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.

Statistics

Major documents processed

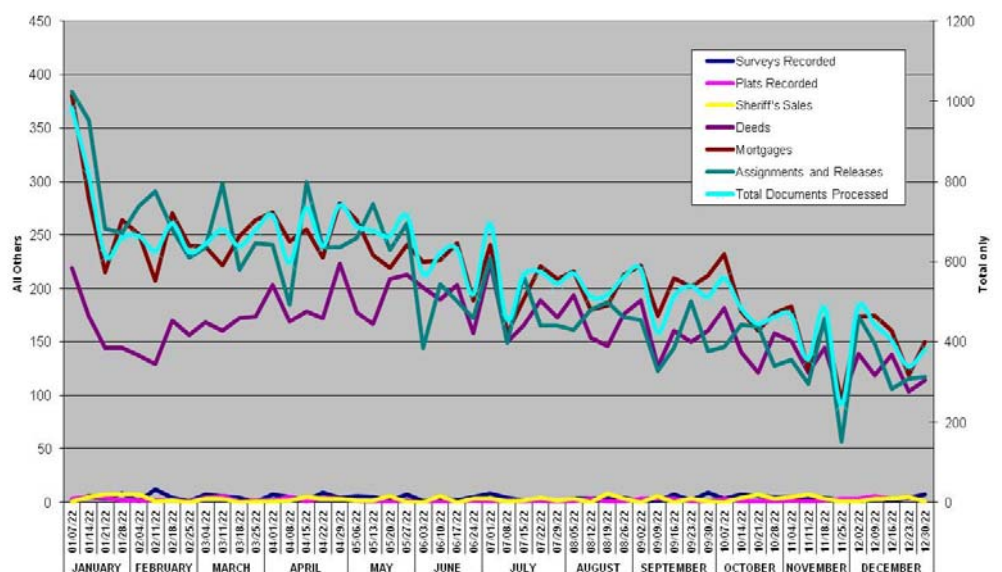
Deeds 8,494

Plats filed 111

Surveys filed 219

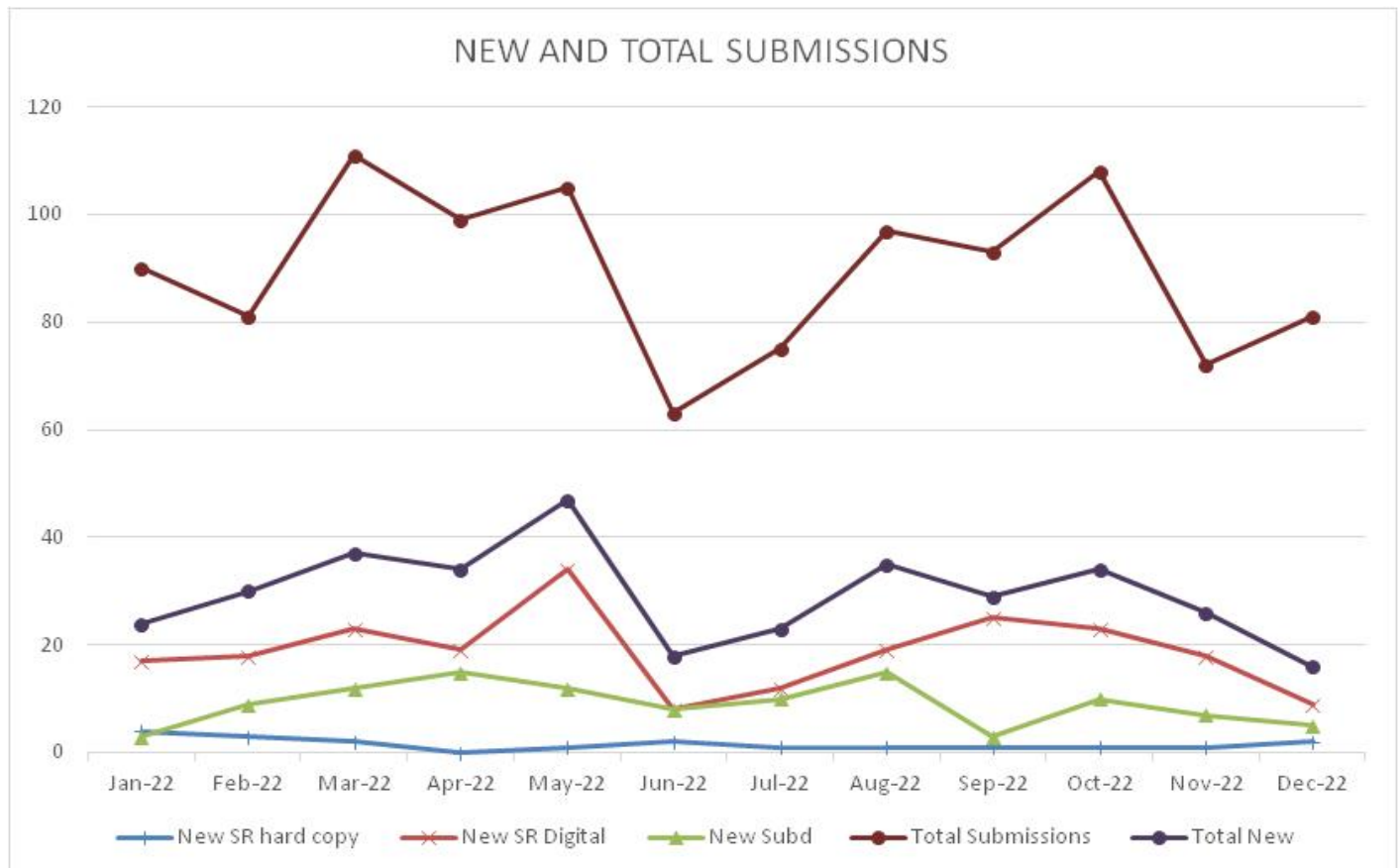
Sheriff's precipes processed 149

2022 Work Volume Trends



Tax Map Department

	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-22	4	17	3	16	24	22	4	90	12	24
Feb-22	3	18	9	26	12	11	2	81	9	30
Mar-22	2	23	12	28	21	24	1	111	12	37
Apr-22	0	19	15	29	15	18	3	99	10	34
May-22	1	34	12	23	19	9	7	105	3	47
Jun-22	2	8	8	22	15	6	2	63	1	18
Jul-22	1	12	10	11	16	10	15	75	5	23
Aug-22	1	19	15	11	21	16	14	97	12	35
Sep-22	1	25	3	22	20	8	14	93	7	29
Oct-22	1	23	10	18	32	7	17	108	5	34
Nov-22	1	18	7	15	19	8	4	72	5	26
Dec-22	2	9	5	17	26	15	7	81	13	16

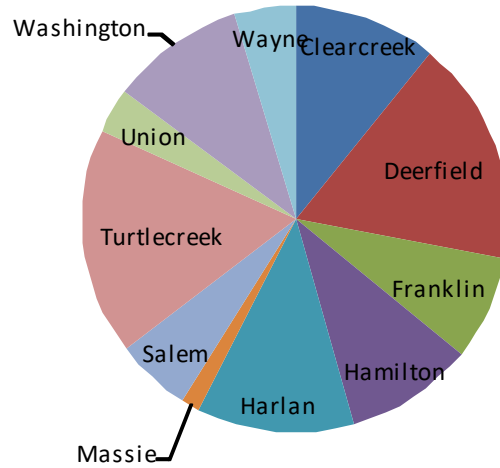


Permits Summary

The following are tables showing the permit summaries of 2019, 2020, 2021 and 2022:

Right-of-Way Permits

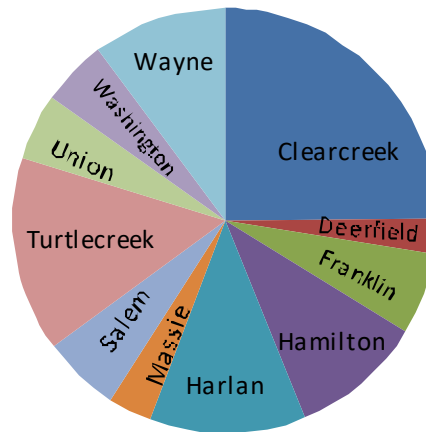
	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
Clearcreek	22	18	30	47
Deerfield	93	86	120	75
Franklin	1	13	28	34
Hamilton	21	27	35	42
Harlan	29	24	34	52
Massie	8	2	3	6
Salem	15	15	13	25
Turtlecreek	52	37	37	75
Union	17	16	16	15
Washington	9	5	14	44
Wayne	19	11	8	20
Total	286	254	338	435



Breakdown of 2022 ROW Permits by Township

Driveway/Address/Piped Road Frontage/Second Drives and 57 Lot Split Applications

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
Clearcreek	71	73	87	59
Deerfield	5	11	13	6
Franklin	19	12	16	15
Hamilton	32	28	35	24
Harlan	34	30	24	28
Massie	3	5	3	8
Salem	10	13	19	14
Turtlecreek	34	51	50	35
Union	18	25	14	12
Washington	10	14	17	12
Wayne	25	32	25	24
Total	286	279	279	237



Breakdown of 2022 Driveway Permits by Township

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 267.5 miles of county roadway, 390 bridges, and 1397 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 2022-2023 winter season, Warren County had 4 occurrences that required 1,300 hours of overtime by our road & maintenance crews and consumed 1,900 tons of salt and 8,500 gallons of Beet Heat to clear the roads. The entire season cost the county \$217,690.00 in overtime, salt and Beet Heat.



Stormwater Permit Phase III



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, but 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 and the Village of Maineville and the City of South Lebanon. 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 2022, 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 2022 from Ohio EPA, the Stormwater District and the SWCD 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/pages/Stormwater-District.html>.

Guide to County Stormwater Services

Warren County Engineer's Office www.wceo.us | (513) 695-3309 Warren County Soil and Water Conservation District

- Stormwater Regulations, Plan Reviews, and Post-Construction www.warrenswcd.com | (513) 695-1337
- 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

2022 Administrative Staff

Warren County Engineer

Neil F. Tunison, P.E., P.S.

(513) 695-3307

Neil.Tunison@co.warren.oh.us

Chief Deputy Engineer

Kurt Weber, P.E., P.S.

(513) 695-3306

Kurt.Weber@co.warren.oh.us

Administrative Assistant

Bobbi Apking

(513) 695-3305

Bobbi.Apking@co.warren.oh.us

Project Technician

Milo Banta II

(513) 695-3311

Milo.Banta@co.warren.oh.us

Assistant Bridge Engineer

Dominic Brigano

(513) 695-3313

Dominic.Brigano@co.warren.oh.us

Tax Map

Suzanne Combs

(513) 695-1192

Suzanne.Combs@co.warren.oh.us

Deputy of Operations

Mark Dawson

(513) 695-3326

Mark.Dawson@co.warren.oh.us

Right of Way & Utility Coordinator

Matthew Ervin

(513) 695-7727

Matthew.Ervin@co.warren.oh.us

Subdivision Inspector

Jason Fisher

(513) 695-3316

W.Fisher@co.warren.oh.us

Assistant Deputy of Operations

Alex Foltz

(513) 695-3327

Alex.Foltz@co.warren.oh.us

Accounting & Payroll

Amy Fox

(513) 695-3303

Amy.Fox@co.warren.oh.us

Tax Map Supervisor

Bob Fox

(513) 695-2626

Robert.Fox@co.warren.oh.us

Tax Map Technician

Joshua Green

(513) 695-1190

Joshua.Green@co.warren.oh.us

Bridge Engineer

Roy Henson, P.E., P.S.

(513) 695-3310

Roy.Henson@co.warren.oh.us

General Inspector

Jeff Jones

(513) 695-3317

Jeff.Jones@co.warren.oh.us

Assistant County Engineer

David Mick, P.E.

(513) 695-3308

David.Mick@co.warren.oh.us

Traffic Project Technician

Michael Ryan

(513) 695-3328

Michael.Ryan@co.warren.oh.us

Planning & Design Assistant

Tabitha Ryan

(513) 695-3336

Tabitha.Ryan@co.warren.oh.us

Tax Map Technician

Balinda Sheppard

(513) 695-2629

Balinda.Sheppard@co.warren.oh.us

Project Engineer

Logan Smith

(513) 695-3318

Logan.Smith@co.warren.oh.us

Garage Supervisor

Brent Wells

(513) 695-3333

Brent.Wells@co.warren.oh.us

Tax Map Technician

Katie Wosyk

(513) 695-1190

Katie.Wosyk@co.warren.oh.us

Warren County TID

Dan Corey, P.E., S.I.

(513) 431-1229

Dan.Corey@co.warren.oh.us

ENGINEER'S OFFICE ADMINISTRATION and ENGINEERING

210 W Main Street
Lebanon, OH 45036
(513)-695-3301

HIGHWAY MAINTENANCE, PERMITS, and INSPECTION

105 Markey Road
Lebanon, OH 45036
(513) 695-3336

HIGHWAY DEPARTMENT

105 Markey Road
Lebanon, OH 45036
(513) 695-3329

TAX MAP DEPARTMENT

460 Justice Drive
Lebanon, OH 45036
(513) 695-1190

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