



# 2019

## ANNUAL REPORT

*Warren County Engineer's Office*



<http://www.WCEO.us>

# CONTENTS

Letter from the County Engineer

Financial Highlights

2019 Year in Review

2020 Administrative Staff

## 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

## Dear Citizens of Warren County,

Dear Citizens of Warren County,

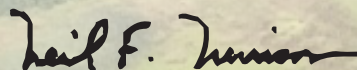
Compared to previous years, 2019 was relatively quiet in construction projects. We completed a greatly needed bridge and retaining wall replacement on Socialville-Fosters Road near the Little Miami River. However road and bridge planning is extremely busy as we prepare for a roundabout at the intersection of Lytle-Five Points Road and Bunnell Hill Road later this year, new southbound Mason-Montgomery Road to southbound I-71 entrance ramp, and our largest bridge replacement project to date on King Ave. over the Little Miami River in 2022. Our highway maintenance crews have been busy with bridge and culvert replacements, pavement shoulder repair, and guardrail replacement, most noticeably on Fosters-Maineville Road between Butterworth Road and Old 3C Highway. Our Transportation District was awarded \$5 million in funding from the Ohio Transportation Review Advisory Council (TRAC) that will go towards relocating major power lines along SR 63 in anticipation of more funding to widen and improve the road between State Route 741 and Union Road.

We are working to improve our web page to better provide up-to-date information on road projects, particularly closures, on county, state, and other local projects that may impact our trip to work, school or other destination. I hope you enjoy this 2019 Annual Report, a look back at the hard work and accomplishments of my entire staff and our local partnerships.

Thank you to our Board of County Commissioners, County Prosecutor's Office, County Sheriff's Office, and other County offices, all of our Township Trustees and Fiscal Officers, municipalities, and the Ohio Department of Transportation.

I hope you enjoy this 2019 Annual Report, a look back at the hard work and accomplishments of my entire staff and our local partnerships.

Thank you to our Board of County Commissioners, County Prosecutor's Office, County Sheriff's Office, and other County offices, all of our Township Trustees and Fiscal Officers, municipalities, and ODOT for a great year!



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



## FINANCIAL HIGHLIGHTS FOR 2019

### EXPENDITURES

Payroll	\$ 2,478,823.04
Equipment & Facilities	\$ 1,995,429.01
Benefits	\$ 860,888.68
Other	\$ 131,598.66
Capital Improvements	\$ 4,292,928.65
Insurance	\$ 3,591.99
Material & Maintenance	\$ 814,488.10
	<b>\$ 10,577,748.10</b>



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 Wayne Township for salt storage: one in Wayne Township and one in Harlan Township.

*Please read on further for the 2019 review of accomplishments by our team of engineers and support staff who serve Warren County through a variety of engineering, construction, and land record keeping services.*

## REVENUE

Investments	\$ 0.00
Reimbursement	\$ 248,647.73
Sales	\$ 512,231.86
GIS	\$ 0.00
Gas Tax	\$ 2,939,200.28
Vehicle License	\$ 7,392,234.52
	<b>\$ 11,092,314.39</b>

**COZADDALE-MURDOCH ROAD BRIDGE #0026-0235**

Cozaddale-Murdoch Road Bridge #0026-0235 over Simpson Creek was replaced during the spring and summer of 2019. The bridge is located on Cozaddale-Murdoch Road just southeast of Dallasburg Road in Hamilton Township. The project consisted of removing the existing concrete slab bridge and replacing it with a multi plate pipe arch. The force account project cost was \$81,988.95, and funded by the Warren County Engineer's Office.

**CORWIN ROAD BRIDGE #0047-0225**

Corwin Road Bridge #0047-0225 over Gard's Run was rehabilitated during the summer and fall of 2019. The bridge is located on Corwin Road, north of the Oregonia Road intersection, in Wayne Township. The rehab project consisted of removing the existing steel beam and concrete deck, and replacing with a galvanized steel beam and corrugated metal deck, while utilizing the existing concrete abutments. The force account project cost was \$104,067.12 and was funded by the Warren County Engineer's Office.

**TOWNSLEY DRIVE BRIDGE #1201-0050 & EVERETT AVENUE BRIDGE #2032-0023**

Townsley Drive Bridge #1201-0050 and Everett Avenue Bridge #2032-0023 both over a Branch of Simpson Creek were replaced during the summer of 2019. The bridges are located on dead end streets in a subdivision just southwest of the intersection of US 22/SR 3 and Columbia Road in Deerfield Township. The existing twin multi plate pipe arches were replaced with new twin multi plate pipe arches. Ford Development Corporation completed the bridge replacements for a total of \$404,773.54, and was funded by the Warren County Engineer.



## SOCIALVILLE-FOSTERS RD BRIDGE #0032-0514 & RETAINING WALL REPLACEMENT

Warren County rehabilitated the Socialville-Fosters Road Bridge #32-5.14 over Simpson Creek during the summer and fall of 2019. The bridge is located on Socialville-Fosters Road between Western Row Road and Old 3C Highway in Deerfield Township. The existing pre-stressed concrete box beams were replaced with a new wider pre-stressed composite concrete box beam deck utilizing the existing concrete stub abutments supported on driven piles. A 200 foot section of retaining wall, downstream of the bridge, was also replaced as part of this project. DDK Construction Inc. completed the project for \$702,307.24. The bridge work was funded by the Ohio Public Works Commission and the Warren County Engineer and the retaining wall work was funded by the Warren County Engineer.



## 2019 WARREN COUNTY CHIP SEAL PROGRAM

Contractor - Miller Mason Paving Company	
WCEO portion	\$383,333.78
Township portion	<u>\$188,259.72</u>
Total Cost	\$571,593.50

### WARREN COUNTY ROADS - 10.20 miles

Oregonia Rd. (CR 12)  
Clarksville Rd. (CR 37)  
Morrow-Blackhawk Rd. (CR 40)  
Morrow-Cozaddale Rd. (CR 43)  
Kenrick Rd. (CR 133)  
Harvey Rd. (CR 265)

### TOWNSHIP ROADS - 12.47 miles

#### MASSIE TWP

*(2.03 miles)*

Furnas-Oglesby Rd. (TR 232)

#### WASHINGTON TWP

*(3.89 miles)*

Fischer Rd. (TR 205)  
Strout Rd. (TR 207)  
Gum Grove Rd. (TR 210)  
Fordyce Rd. (211)  
Lincoln Rd. (TR 218)

#### WAYNE TWP

*(6.55 miles)*

Old Stage Rd. (TR 50)  
Pekin Rd. (TR 53)  
Furnas-Oglesby Rd. (TR 232)  
Corwin Ave. (TR 244)  
South Cincinnati-Columbus Rd. (TR 573)



## 2019 WARREN COUNTY PAVING

Contractor - John R. Jurgensen Company

WCEO portion \$2,190,006.67

Township portion \$2,375,961.58

Total Cost \$4,565,968.25

### WARREN COUNTY ROADS - 14.73 miles

Butler Warren Rd. (CR 2)	Socialville-Fosters Rd. (CR 32)
Wilmington Rd. (CR 7)	Middleboro Rd. (CR 45)
Hamilton Rd. (CR 13)	Robinson-Vail Rd. (CR 121)
Lower-Springboro Rd. (CR 22)	Manchester Rd. (CR 104)
Fosters-Maineville Rd. (CR 23)	Lytle-Ferry Rd. (CR 135)
Morrow-Woodville Rd. (CR 24)	Cozaddale Rd. (CR 174)
	Hamilton-Middletown Rd. (CR 179)

### TOWNSHIP ROADS

#### CLEARCREEK TWP

*(4.13 miles)*

Weidner Rd. (TR 124)  
Factory Rd. (TR 125)  
Bunnell Hill Rd. (TR 128)  
Chapel Dr. (450)  
Carly Ct. (TR 452)  
Barrington Way (TR 453)  
Highmount Dr. (TR 469)  
Whispering Way (TR 487)  
Emerald Way (TR 938)  
Jade Pointe Ct. (TR 939)  
Waynesboro Way (TR 1108)  
Eyler Dr. (TR 1235)  
Sandy Ct. (TR 1254)

#### FRANKLIN TOWNSHIP

*(1.06 miles)*

Noble Way Ln. (TR 944)  
Patrick Ct. (TR 945)  
Dawn Ave. (TR 996)  
Ash Meadow Ln. (TR 1436)

#### HAMILTON TOWNSHIP

*(7.47 miles)*

Lebanon Rd. (TR 16)  
Schlottman Rd. (TR 143)  
Hatt-Swank Rd. (TR 144)  
Harrison Rd. (TR 148)  
Stephens Rd. (TR 158)  
Cabernet Ct. (TR 646)  
Chardonnay Dr. (TR 651)  
Chancellor Ln. (TR 652)  
Vintage Ct. (TR 665)  
Village Green Pkwy. (TR 800)  
Maple Grove (TR 840)  
Linden Creek (TR 841)  
Stapleford Manor (TR 1172)  
Lakewood Farms Dr. (TR 1173)  
Hampton Glen Ln. (2449)

#### HARLAN TOWNSHIP

*(2.80 miles)*

Layman Rd. (TR 178)  
Ross-Leever Rd. (TR 184)  
Watkins-Starkey Rd. (TR 188)

#### MASSIE TOWNSHIP

*(2.38 miles)*

Harlan-Carroll Rd. (TR 221)

#### TURTLECREEK TOWNSHIP

*(4.66 miles)*

Waynesville Rd. (TR 39)  
Nixon Camp Road (TR 83)  
Oakview Ct. (TR 644)  
Twin Oaks Dr. (TR 645)  
Shady Oak Ct. (TR 689)

#### UNION TOWNSHIP

*(0.297 miles)*

Dry-Run Rd. (TR 81)

#### WASHINGTON TOWNSHIP

*(1.93 miles)*

Strout Rd. (TR 207)

#### WAYNE TOWNSHIP

*(1.08 miles)*

Chenoweth Rd. (TR 138)



The Warren County Transportation Improvement District (WC-TID) 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.

#### NEW RAMP FROM SOUTHBOUND MASON-MONTGOMERY RD. TO SOUTHBOUND I-71

The Warren County has secured Federal Surface Transportation Program (STP) funds through the Ohio Kentucky Indiana Regional Council of Governments (OKI) in the amount of \$5.1 million for a \$8.6 million project to construct a new southbound ramp from Mason-Montgomery Road to southbound I-71. Local funds for the project will come from the Procter and Gamble Tax Increment Fund (P&G TIF). The ramp begins at Escort Drive, will curve and run along southbound I-71, cross Fields-Ertel Road and merge with I-71 before the existing ramp that enters from Fields-Ertel Road at Escort Drive. This project is scheduled for construction summer of 2021 through spring of 2023. This project will allow for safer and more efficient flow through the interchange. An additional benefit is to allow better use of Escort Drive that is described below.



# PROPOSED I-71 ENTRANCE RAMP FROM MASON-MONTGOMERY RD.





#### IMPROVEMENTS TO WILKENS BLVD – BARDES DRIVE – ESCORT DRIVE

Improvements made to the interchange and median on Mason-Montgomery will allow Escort Drive and Wilkens Boulevard to be used more safely and efficiently, too. Design is underway to construct roundabouts on Bardes Drive at Wilkens Boulevard and Escort Drive to allow better access from Wilkens Boulevard to the southbound I-71 southbound entrance ramp. Federal STP funds are being sought through OKI for this \$3.2 million dollar project to be constructed after 2023.

#### WIDENING OF FIELDS-ERTEL FROM SNIDER ROAD TO ESCORT DRIVE

The Warren County TID is working with the Hamilton County Engineer, Eric Beck, on a widening of Fields-Ertel Road between Snider Road and Escort Drive. Design is underway to widen the road to five lanes and make it less hilly to improve sight distance. Application to OKI for \$6 million federal funds will be made this year for funds in 2024 for this \$14 million project. The local share will be divided between Hamilton County and Warren County.

#### MASON-MONTGOMERY RD. BETWEEN ESCORT DRIVE AND MERTEN DRIVE - CONCRETE MEDIAN

This project funded with ODOT Highway Safety funds will be used to construct a concrete median between the northbound and southbound lanes of Mason-Montgomery Road between Escort Drive and 300 feet south of Merten Drive. This project when completed will prohibit left turns into and out of businesses in an area that has one of the highest crash locations in Warren County. Access to these businesses will be made from Escort Drive and directional signage will be in place. This \$223,000 project will be funded 90% by ODOT and will be constructed in summer of 2020.

## TAX MAP DEPARTMENT

### Accomplishments:

- Develop a survey tracking database for drawings under review.

### 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. 5311.05, we review condominium declarations.
9. Per O.R.C. 5713.09, we make, correct, and maintain a complete set of tax maps.

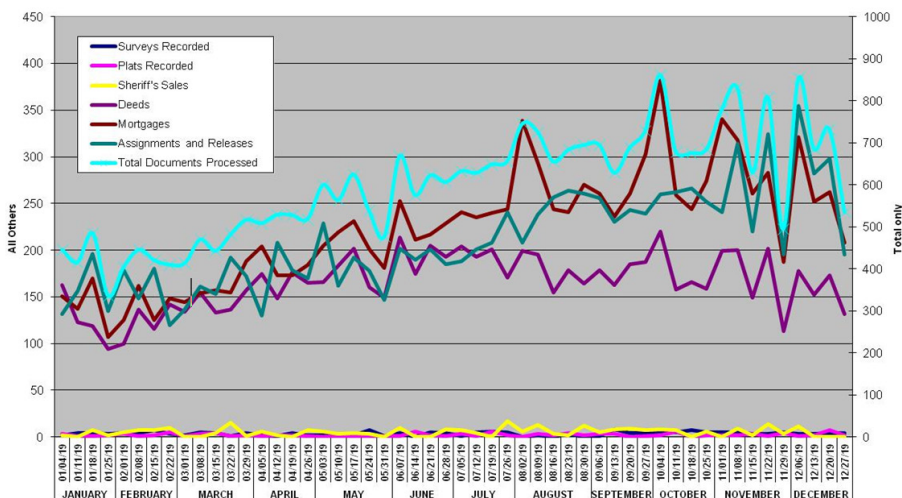
Also, we label legal descriptions by parcel number for identification in the Auditor's office and for indexing in the Recorder's office. We assist the public and other government agencies in utilizing the records we keep on file.

### Statistics

- Major documents processed.
  - Deeds 8,595
  - Mortgages 11,603
  - Assignments and releases 10,931
- Total documents processed 31,129
- Surveys filed -- 180
- Plats filed -- 113
- Sheriff's preceses processed -- 262

### Plans for 2020

- Continue the capture and quality control of all paper tax map data into the GIS mapping system and print new tax map pages.
- Complete an archival scan of all 2019 Tax Maps.
- Research technology and equipment to assist the Map Room to go paperless.

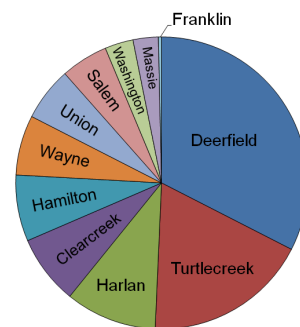


## PERMITS SUMMARY

The following are tables showing the permit summaries of 2016, 2017, 2018, and 2019:

### Right-of-Way Permits

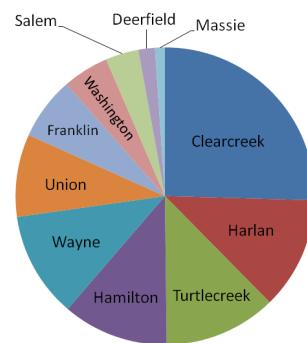
	2016	2017	2018	2019
Clearcreek	19	13	15	22
Deerfield	122	82	52	93
Franklin	7	17	15	1
Hamilton	72	103	63	21
Harlan	24	37	21	29
Massie	1	6	3	8
Salem	5	9	17	15
Turtlecreek	45	36	36	52
Union	8	21	17	17
Washington	11	14	16	9
Wayne	5	21	22	19
Total	319	359	277	286



Breakdown of 2019 ROW Permits by Township

### Driveway/Address/Piped Frontage

	2016	2017	2018	2019
Clearcreek	91	75	67	71
Deerfield	15	20	8	5
Franklin	15	12	11	19
Hamilton	22	31	19	32
Harlan	18	26	28	34
Massie	4	5	4	3
Salem	17	11	24	10
Turtlecreek	40	62	72	34
Union	13	42	18	25
Washington	10	17	10	14
Wayne	16	38	25	32
Total	261	339	286	279



Breakdown of 2019 Driveway Permits by Township

## WARREN COUNTY HIGHWAY DEPARTMENT

The Warren County Highway Department is made up of twenty-one full time employees that consist of highway maintenance personnel and mechanics. They provide the maintenance for the 268.83 miles of county roadway, 390 bridges, and 1,397 culverts. They also provide support to surrounding townships and villages when needed.

The Warren County Highway Department personnel are required by law to have, and maintain, a current CDL operator's license to drive the single and tandem axle trucks. Some duties would include installing & 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 our 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, weekends and holidays to handle any emergency. They are equipped with a maintenance vehicle 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 2019-2020 winter season, Warren County had 15 occurrences that required 653.25 hours of overtime by our road & maintenance crews and consumed 1,295.25 tons of salt to clear the roads. Due to the warm temperatures, and the low amount of snowfall, no Beet Heat was required. as an additive. The cost of snow removal for the 2019-2020 season, in labor and materials, was approximately \$117,320 in overtime, fuel, salt, and beet heat.





## Stormwater Permit (Phase II)

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 and the Villages of Maineville and 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 2019, 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 2020 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/pages/Stormwater-District.html>

## 2020 ADMINISTRATIVE STAFF

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**ENGINEER'S OFFICE  
ADMINISTRATION and  
ENGINEERING**  
210 W Main Street  
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**HIGHWAY MAINTENANCE,  
PERMITS, and INSPECTION**  
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Lebanon, Ohio 45036  
(513) 695-3336

**HIGHWAY DEPARTMENT**  
105 Markey Road  
Lebanon, Ohio 45036  
(513) 695-3329

**TAX MAP DEPARTMENT**  
460 Justice Drive  
Lebanon, Ohio 45036  
(513) 695-1190

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

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

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