

WARREN COUNTY ENGINEER'S OFFICE

2013

ANNUAL REPORT



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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,

2013 was a year of achievement, development, and stability in our service to Warren County. I look back honored to have been a part of the year's accomplishments. I have been working for a decade and a half on the anticipated Fields Ertel Interchange improvements and celebrate over the groundbreaking that took place in December.

I am grateful for my staff and partnering departments who work hard and who help make it a pleasure to serve as the County Engineer. I wouldn't be greeting you fully as we look back to 2013 without recognizing Sharon Lawhorn for her wonderful 18 years of service as my administrative assistant. I wish her well as she enjoys her retirement.



Neil F. Tunison
Warren County Engineer

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

Sincerely,

A handwritten signature in black ink that reads "Neil F. Tunison". The signature is fluid and cursive.

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

Financial Highlights for 2013

EXPENDITURES

Payroll	\$ 2,330,009.22
Equipment & Facilities (including Maintenance)	1,750,867.60
Other	28,324.33
Benefits	844,406.44
Road Resurfacing & Maintenance	98,527.87
Capital Improvements	4,447,177.82
Insurance	9,092.90
	\$ 9,508,406.18

REVENUE

Investments	\$ 0.00
Reimbursement	1,070,572.45
Sales	246,332.24
GIS	168.78
Gas Tax	2,299,886.19
Vehicle License	5,543,001.54
	\$ 9,159,961.20

2013 Year in Review

The Warren County Engineer's Office concluded the year 2013 with numerous completed projects and the funding and development of more great improvements for the new year. The WCEO staff consider it an honor and pleasure to serve the great community of Warren County by providing a safe, well-maintained county road infrastructure.

The Warren County Engineer's Office serves from the Corwin House on 210 W Main Street, Lebanon, Ohio in the capacity of administration and engineering. WCEO's facility on 105 Markey Road, Lebanon, Ohio serves in issuing permits, inspections, and providing highway maintenance. There are also two additional locations for salt storage: one in Wayne Township and one in Harlan Township.



Please read on further for the 2013 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.

Wilmington Road Bridge #7-4.54

Warren County replaced the Wilmington Road Bridge #7-4.54 during the summer of 2013. The bridge is located on Wilmington Road over a branch of the Little Miami River between Cold Springs Road and Corwin Road in Turtlecreek Township. It was a force account project that consisted of removing the existing concrete bridge and replacing it with a precast concrete box culvert. The project cost \$70,756.15 using funds from the Warren County Engineer.



High Risk Rural Road Project

The Warren County Engineer's Office has completed the WAR-HRRR Project which consists of High Friction Surface Course on Fosters-Maineville Road, lighting at the intersection of Fosters-Maineville Road and Butterworth Road and Optical Speed Bars on Wilmington Road at two location: between Corwin Road and Nixon Camp Road and near the intersection Ward Kobel Road. The construction contract was awarded to A&A Safety of Amelia. This project was paid for by the Warren County Engineer and ODOT for a total of \$133,473.47.

Warren County was privileged to be the first county approached by the state to try out the new high risk rural road audit program.

Springboro Road Culvert #41-1.69



Warren County replaced the Springboro Road Culvert #41-1.69 during the spring of 2013. The culvert is located on Springboro Road over a branch of Bull Run between Music Place and Red Lion Five Points Road in Clearcreek Township. It was a force account project that consisted of removing the existing concrete culvert and replacing it with a precast concrete box culvert. The project cost \$55,584.23 using funds from the Warren County Engineer.

Morningstar Road Culvert #106-0.34



Warren County replaced the Morningstar Road Culvert #106-0.34 during the summer of 2013. The culvert is located on Morningstar Road over a branch of Twin Creek just east of Franklin-Madison Road in Franklin Township. It was a force account project that consisted of removing the existing concrete culvert and replacing it with a precast concrete box culvert. The project cost \$78,632.20 using funds from the Warren County Engineer.

Union Road Curve Realignment Project



The Warren County Transportation Improvement District (TID) completed the Union Road Curve Realignment Project during the fall of 2013. The project consisted of realigning and widening approximately 1,900 feet of roadway in front the Solid Rock Church in the City of Monroe and Turtlecreek Township. Barrett Paving Materials completed the project for approximately \$410,000. The TID funded the project with Tax Increment Financing funds on the Miami Valley Gaming Racino site being collected by Warren County.

**featured on front cover*

Bethany Road Widening

The Warren County Engineer's Office has completed the Bethany Road Widening after two years of construction. This project began at Butler-Warren Road and continues to the Mason Corporation line (1.5 miles) that consists of over 4000 feet of water main for WC Water and GCWW, more than 5500 feet of sanitary sewer for WC Sewer and City of Mason, a five lane bridge with sidewalk and bike path, one mile of sidewalk and 1.5 miles of bike path and Bethany Road became 3 lanes with a constant turn lane in the middle. The construction contract was awarded to John R. Jurgensen Company of Cincinnati. This project is paid for by the Warren County Engineer, ODOT, Warren County Commissioners, OPWC, Warren County Water and Sewer, City of Mason, and Greater Cincinnati Water Works for a total of \$6,898,660.74, which is approximately \$200,000 under contract.



Butler-Warren Road Widening (Tylersville Rd to Bethany Rd)

In partnership with the Butler County Engineer's Office, 2.2 miles of Butler-Warren Road was widened from two to five lanes between Tylersville Road and Bethany Road. This created two northbound and southbound lanes plus a center turn lane. Curb and gutter were added, a shared use path along the west side of the road from Tylersville to Sweet Briar Drive was added, as well as a sidewalk on the east side from Mason Road to Hampton Cove Court. The



improved roadway has allowed for smoother, more efficient traffic flow. It also facilitates safer pedestrian and bike travel, especially with the adjacent VOA MetroPark and large number of nearby subdivisions. The construction contract was awarded to the John R. Jurgenson Company of Cincinnati. The funding of the project, provided through Federal LPA and State OPWC grant money along with local matching funds from Butler and Warren Counties, \$9,145,941.21, which is approximately \$800,000 under contract.

Schlottman Road Bridge #143-2.23

Rehabilitation of the Schlottman Road Bridge #143-2.23 over Hen Run in Hamilton Township was completed during the fall of 2013. The bridge is located on Schlottman Road north of Hatt Swank Road. The force account project consisted of replacing the existing steel beams and concrete deck with new steel beams and a galvanized metal deck utilizing the existing concrete abutments. The bridge rehabilitation project cost \$87,258.14 using funds from the Warren County Engineer.

2013 Resurfacing

Cost - \$2,225,279.91

Contractor - John R. Jurgensen

Warren County Roads

	mileage
Lytle Road (CR 28)	0.257
King Avenue (CR 282)	0.354
Columbia Road (CR 15)	1.360
Foster-Maineville Road (CR 23)	1.476
Harveysburg Road (CR 25)	1.273
Morrow-Rossburg Road (CR 27)	5.296
Morrow-Cozaddale Road (CR 43)	0.720
Shaker Road (CR 48)	0.519
Brant Road (CR 91)	1.359
Lytle-Ferry Road (CR 135)	0.299
Enterprise Drive	0.104
Venture Way	0.106
	13.123

Clearcreek Township Roads

	mileage
Patricia Allyn Park—North Lot	0.580
Riviera Court (TR 561)	0.217
Woodland Greens Blvd. (TR 550)	0.582
Whispering Woods Lane (TR 551)	0.403
Winton Hills Court (TR 552)	0.122
Glen Abbey Court (TR 553)	0.099
Highlanders Court (TR 555)	0.051
Withersfield Court (TR 556)	0.212
Tanglewood Drive (TR 563)	0.130
East Tamarron Court (TR 564)	0.143
West Tamarron Court (TR 565)	0.087
Farrington Court (TR 566)	0.033
	1.862

Franklin Township Roads

	mileage
Dubois Road (TR 113)	0.210
Keays Road (TR 113A)	0.150
	0.360

Hamilton Township Roads

	mileage
Ireland Road (TR 165)	0.803
	0.803

Harlan Township Roads

	mileage
Roachester-Cozaddale Road (TR 52)	0.217
Lindley Worley Road (TR 180)	0.758
Ross Leever Road (TR 184)	0.096
Vandervoort Road (TR 195)	0.570
Lundy Whitacre Road (TR 198)	0.413
Jackson-Runyan Road (TR 256)	0.127
	2.181

Union Township Roads

	mileage
Shawhan Road (TR 79)	0.401
Trovillo Road (TR 85)	0.425
	0.826

2013 Chip Seal

Cost - \$448,902.04

Contractor - Miller-Mason Paving Company

Warren County Roads

	mileage
Old 3C Highway (CR 10A)	0.860
Lower Springboro Road (CR 22)	1.121
Clarksville Road (CR 37)	7.773
Edwardsville Road (CR 196)	1.209
Whitegate Drive (CR 277)	0.863
Shoemaker Road (CR 299)	0.556

12.382

Hamilton Township Roads

	mileage
Adams Road (TR 145)	2.290

2.290

Harlan Township Roads

	mileage
Pleasant Renner Road (TR 172)	1.562
Jackson Runyon Road (TR 256)	1.347
McCulley Lane (TR 284)	0.402

3.311

Massie Township Roads

	mileage
Lincoln Road (TR 218)	0.194
Huddelson Road (TR 222)	0.738
Brooks Carroll Road (TR 224)	1.495
Pioneer Village Drive (TR 292)	0.405
Stockholm Court (TR 1255)	0.237

3.069

Turtlecreek Township Roads

	mileage
Keever Road (TR 70)	2.094
Liberty-Keuter Road (TR 95)	0.991

3.085

Washington Township Roads

	mileage
Fischer Road (TR 205)	0.546
Strout Road (TR 207)	0.200
Gum Grove Road (TR 210)	0.874
Fordyce Road (TR 211)	0.132
Settlemyre Road (TR 214)	1.610

3.362

Wayne Township Roads

	mileage
O'Neill Road (TR 229)	1.155
Sales Road (TR 235)	1.033
Ellis-Lincoln Road (TR 236)	1.234
Stockholm Court (TR 1255)	0.308
Madrid Blvd. (TR 1256)	0.306
Athens Avenue (TR 1257)	0.058

4.094

WARREN COUNTY HIGHWAY DEPARTMENT

The Highway Department fulfills basic county road and bridge maintenance for 267.35 miles of road, 395 bridges, and 1,390 culverts as well as support to surrounding townships and villages. Included in this are functions such as performing speed studies, installing road signage, detour routing, traffic signals, maintenance mechanics, building and grounds maintenance. One dimension of the department is the Highway Maintenance Facility which has (1) Garage Superintendent and (3) full time Mechanics, (1) Building and Grounds Maintenance personnel, (1) Parts Coordinator, and (1) Highway Clerk. The other dimension of the department is the Highway Maintenance Personnel (Road Crew) which consists of the Deputy of Operations, (3) Foreman, and the (16) road crew employees.

The road crew makes up the majority of the Highway Dept. This group of employees is responsible for the maintenance of the existing county highway system. They're duties require them to maintain a CDL operator's license.

Types of duties performed -- Tree Trimming, Brush Cutting, Guardrail Work, Ditch Cleaning, Culvert Installation and Replacement, Setting up Work Zones, Roadside Mowing, Shoulder Repair, Bridge Installation and Repair, New Road Construction, and Emergency Situations.

Our employees may be called upon for emergency situations, storm clean-up, trees down, flooding, and other road hazards. Snow and Ice Control is our most challenging weather event. We have a call out person that is on call after hours and on weekends to handle emergencies. He has Unit 68 that is equipped with chain saw, road closure signs, etc to handle various types of things that may come up.

It is the job of the Highway Department to make travel on our highway system a safe commute, regardless of weather conditions.

PERMITS SUMMARY

The following are tables showing the permit summaries of 2010, 2011, 2012, and 2013:

Right-of-Way Permits

	2010	2011	2012	2013
Clearcreek	19	19	18	17
Deerfield	57	92	57	94
Franklin	21	33	11	20
Hamilton	57	59	47	74
Harlan	15	21	9	26
Massie	2	4	2	4
Salem	4	13	10	13
Turtlecreek	17	14	34	36
Union	20	13	8	12
Washington	3	3	5	18
Wayne	9	10	25	27
Total	224	281	226	341

Winter Season Summary

The Highway Department's primary function during winter months is keeping Warren County roadways clear of snow and ice. There were 14 snow occurrences during the 2012-2013 winter season that required 2,136.5 hours of overtime by our road crew and consumed 5387 tons of salt to clear the roads. The entire season cost the county \$413,227.50.



Driveway/Address/Piped Frontage

	2010	2011	2012	2013
Clearcreek	55	50	50	86
Deerfield	4	7	6	14
Franklin	13	10	6	7
Hamilton	19	19	12	33
Harlan	11	14	13	19
Massie	1	2	2	4
Salem	4	6	9	8
Turtlecreek	35	24	29	49
Union	3	7	8	6
Washington	12	12	13	22
Wayne	24	23	33	38
Total	181	174	181	286

WARREN COUNTY TAX MAP DEPARTMENT

Functions | The tax map department makes and keeps accurate record of surveys of land and road lines, determining if survey plats and descriptions satisfy the minimum for boundary surveys pursuant to Chapter 4733, makes and keeps indexes of records, approving subdivisions for the office of Recorder, adopting standards of conveyance and ensure compliance, preparing a report for petitions of annexations, assisting the regional planning commission, reviewing condominium declarations, and making, correcting, keeping up a complete set of tax maps, and labels all legal descriptions by parcel number for identification in the Auditor's office and for indexing in the Recorder's office. Assists the public and other government agencies in utilizing the records we keep on file.

Accomplishments | Completed an archival scan of the 1968 and 1974 aerial images. Archived and indexed the 1910 tax maps, survey volumes 1 thru 4, and 6 thru 9 into the OnBase System. Hired and trained a new Tax Map Technician.

Statistics |

Major documents processed:	Surveys filed — 126
Deeds — 8,942	Plats filed — 84
Mortgages — 12,638	Sherriff's precipes processed — 706
Assignments/releases — 18,596	
Total 40,176	

Warren County

STORMWATER DISTRICT



Stormwater Permit (Phase II)

Warren County is currently regulated, on highways and for highway operations, by a stormwater permit from the Ohio EPA commonly referred to as 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.

Throughout 2013 the Stormwater District worked to meet the requirements of the permit. One major component, public education, was carried out through media campaigns, such as promoting septic system maintenance for the benefit of water quality. In addition, reporting, field work, pollution prevention, and special events such as a rain barrel art project and auction were conducted. Find out how you can do your part to protect water quality at our website: www.WCSWD.us.



2014 ADMINISTRATIVE STAFF

Engineering 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

Project Coordinator
Dan Corey, P.E., S.I.
(513) 695-7712
Dan.Corey@co.warren.oh.us

Assistant County Engineer
Chuck Petty, P.E.
(513) 695-3309
Charles.Petty@co.warren.oh.us

Bridge Engineer
Roy Henson, P.E., P.S.
(513) 695-3310
Roy.Henson@co.warren.oh.us

Assistant Bridge Engineer
Dominic Brigano, E.I., S.I.
(513) 695-3313
Dominic.Brigano@co.warren.oh.us

Assistant Bridge Design
Jeff Pendleton
(513) 695-3311
Jeff.Pendleton@co.warren.oh.us

Permits Supervisor
Lee Lewis
(513) 695-3315
Lee.Lewis@co.warren.oh.us

Subdivision & Drainage Review
Jason Fisher
(513) 695-3316
Jason.Fisher@co.warren.oh.us

General Inspector
Jeff Jones
(513) 695-3317
Jeff.Jones@co.warren.oh.us

Subdivision Inspector
Phil Ginther
(513) 695-3312
Phil.Ginther@co.warren.oh.us

Traffic Supervisor
Greg Carmack
(513) 695-3328
Greg.Carmack@co.warren.oh.us

Planning & Design Assistant
Sheliah Withrow
(513) 695-3336
Sheliah.Withrow@co.warren.oh.us

Public Relations Coordinator
Savannah Shafer
(513) 695-3302
Savannah.Shafer@co.warren.oh.us

Administrative Assistant
Bobbi Apking
(513) 695-3305
Bobbi.Apking@co.warren.oh.us

Secretary
Mary Sturgis
(513) 695-3303
Mary.Sturgis@co.warren.oh.us

GIS Analyst
Ann Kisela
(513) 695-3304
Ann.Kisela@co.warren.oh.us

GIS Technician / Phase II Liaison
Caitlin Botschner
(513) 695-2830
Caitlin.Botschner@co.warren.oh.us

ENGINEER'S OFFICE

ADMINISTRATION and
ENGINEERING
210 W Main Street
Lebanon, Ohio 45036
(513) 695-3301

HIGHWAY MAINTENANCE,
PERMITS, and INSPECTION
105 Markey Road
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

Highway Department Administrative Staff

Deputy of Operations
Mark Dawson
(513) 695-3326
Mark.Dawson@co.warren.oh.us

Clerk
Elbert Allen
(513) 695-3329
Elbert.Allen@co.warren.oh.us

Store Keeper
Darrin Sparks
(513) 695-3331
Darrin.Sparks@co.warren.oh.us

Tax Map Department Staff

Supervisor
Bob Fox
(513) 695-2626
Robert.Fox@co.warren.oh.us

Group Leader (Technician)
Suzanne Combs
(513) 695-2629
Suzanne.Combs@co.warren.oh.us

Technician
Jim Day
(513) 695-1192
Jim.Day@co.warren.oh.us

Group Leader (GIS)
Paul Galyen
(513) 695-2627
Paul.Galyen@co.warren.oh.us

Technician
Dianne Berryman
(513) 695-1192
Dianne.Berryman@co.warren.oh.us

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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