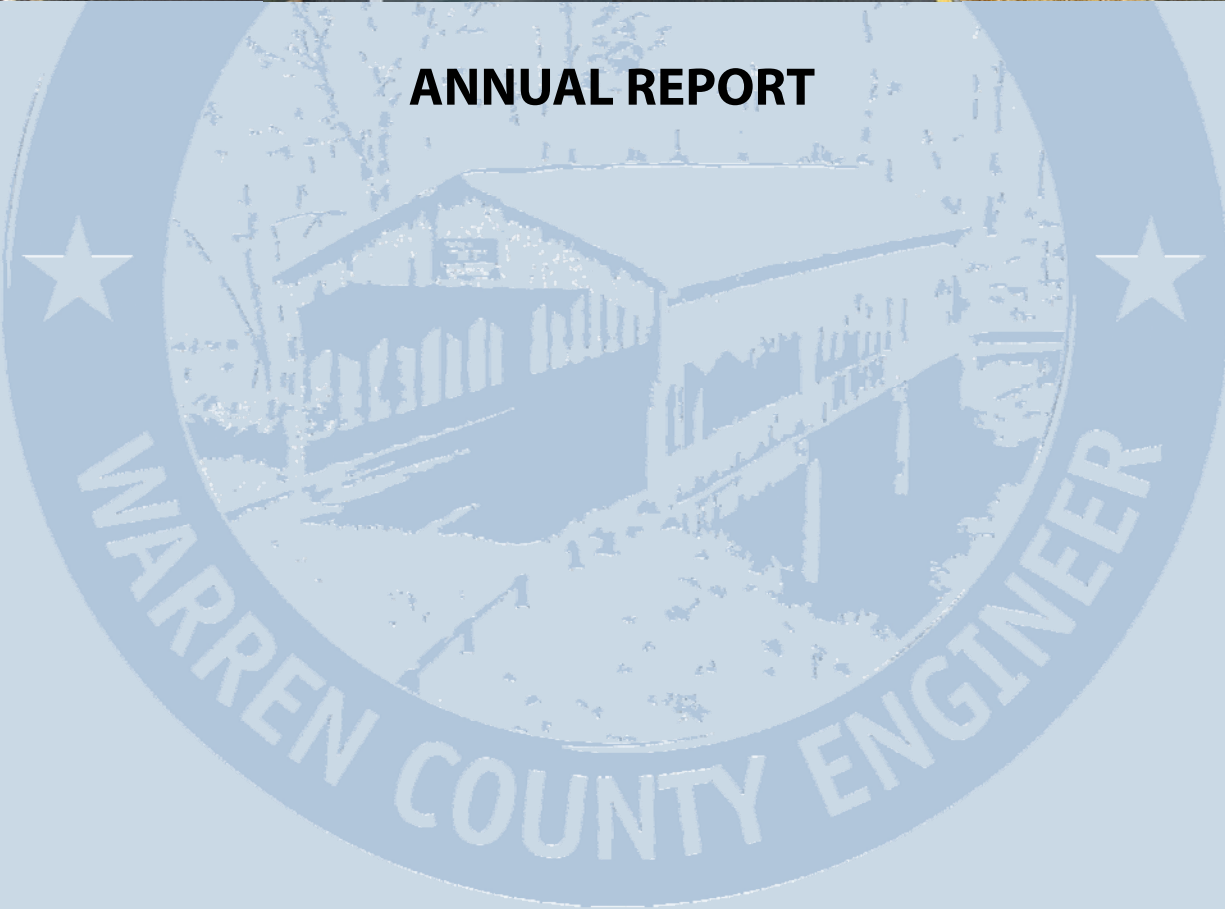




ANNUAL REPORT



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Dear Citizens of Warren County,

It is my honor to present the Annual Report for the Office of the Warren County Engineer for the year 2011. This report presents the exciting projects planned and implemented as well as the many other activities of our service to the county. I could not accomplish all that we have without my dedicated staff of 48 professionals and support personnel.

We are committed to working with our Board of County Commissioners, County Prosecutor's Office and other County offices, all of our Township Trustees and Fiscal Officers, municipalities, and ODOT to help you get around our beautiful county!



Neil F. Tunison
Warren County Engineer

Sincerely,

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

Financial Highlights for 2011

EXPENDITURES

Payroll	\$ 2,152,799.11
Equipment & Facilities (including Maintenance)	1,764,878.82
Other	22,690.11
Benefits	962,902.85
Road Resurfacing & Maintenance	103,271.50
Capitol Improvements	4,919,903.12
Insurance	23,138.66
	\$ 9,949,584.17

REVENUE

Investments	\$ 0.00
Reimbursement	2,106,928.07
Sales	315,215.16
GIS	139.52
Gas Tax	2,310,206.90
Vehicle License	5,400,134.65
	\$ 10,132,624.30

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.

2011 Year in Review

The year 2011 for the Warren County Engineer's Office included an assortment of great road improvements which increased the safety for various areas throughout our region.

Neil Tunison also acquired a new facility for our office. After minor preparations, the staff were able to move in February 2012. It now houses our growing administration and engineering staff. It is located at 210 W Main Street in Lebanon, Ohio and has so far proven to be a great fit for our office. It is known as the Corwin House, named after Thomas Corwin. Corwin was one of Lebanon's most accomplished residents, a six-term congressman, articulate U.S. Senator, governor of Ohio and ambassador to Mexico.



Left: The new WCEO Office

Please read on further for the 2011 review of the accomplishments of our team of engineers and support staff who serve Warren County through a variety of engineering, construction, and land record keeping services.

Bethany Road Widening (Butler-Warren Rd to Mason Corp Limit)

The Warren County Engineer's Office is pushing ahead with the Bethany Road Widening project. This project starts at Butler-Warren Road and continues to the Mason Corporation line. Utility relocation delayed the start date of project for almost one month. The project 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, and Bethany Road will become 3 lanes with a constant turn lane in the middle. John R. Jurgensen Company plans to have the project completed by the end of 2012. This project is paid for by the Warren County Engineer, ODOT, Warren County Water and Sewer, City of Mason, Greater Cincinnati Water Works and OPWC for a total of \$7,143,144.53.



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

The full project involves widening 2.2 miles of Butler Warren from two to five lanes between Tylersville Road and Bethany Road, thereby creating two northbound and southbound lanes plus a center turn lane. Plans also call for adding curb and gutter and building a shared use path along the west side of the road from Tylersville to Sweet Briar Drive. A sidewalk will also be added on the east side from Mason Road to Hampton Cove Court.

The new design addresses capacity issues inherent with the growth in the area, allowing for smoother, more efficient traffic flow. It will also facilitate safer pedestrian and bike travel, especially with the adjacent VOA MetroPark and large number of nearby subdivisions.

A construction contract was awarded last year to the John R. Jurgenson Company of Cincinnati which submitted a low bid of \$9,971,021. Federal LPA and State OPWC grant money along with local matching funds from Butler and Warren Counties will be utilized to pay for the project.

Stephens Road Right Turn Lane Roadway Improvements at S.R. 48

The Warren County Engineer's Office has completed the inspection of the construction at the intersection of Stephens Road and S.R. 48.

This project consists of a 300 foot right turn lane added to Stephens Road. Site WORX completed work on October 31st, 2011 after 3 weeks of construction. This project was paid for by the Hamilton Township for \$76,089.52.



A Step in the major I-71 / Fields-Ertel Road / Mason-Montgomery Road Interchange Improvements

Mason-Montgomery Roadway Improvements

This project starts at Fields-Ertel Road and continues north for approximately 3500 feet to end before Parkway Drive. Utility relocation has delayed the project for almost one month. The project consists of over 4000 feet of water main and a new, through and right turn, north bound add lane. Barrett Paving Inc. plans to complete the project by mid summer. This project is paid for by the Warren County / P&G Tax Increment Financing Funds, OPWC and the Hamilton County Engineer for a total of \$1,663,162.88.

Columbia Road Bridge and Mason-Morrow-Millgrove Road Intersection Improvements

Warren County completed the intersection improvements and replaced the Columbia Road Bridge #15-5.18 during the 2011 construction season. The bridge is located on Columbia Road over Muddy Creek just north of Mason-Morrow-Millgrove Road in the City of Lebanon. The existing pre-stressed concrete box beam bridge was replaced with a pre-stressed composite spread concrete box beam bridge. Barrett Paving Materials Inc. completed the project for approximately \$1,200,000. The intersection and bridge project was funded by the Warren County Engineer, City of Lebanon, and the Ohio Public Works Commission (OPWC) Grant.



Morningstar Road Bridge #106-0.34

Warren County replaced the Morningstar Road Bridge #106-0.34 during the summer of 2011. The bridge is located on Morningstar Road over a branch of Twin Creek between Franklin-Madison Road and Chamberlain Road in Franklin 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 \$54,618.89 using funds from the Warren County Engineer.



Zoar Road Bridge #153-4.80

Warren County replaced the Zoar Road Bridge #153-4.80 during the summer of 2011. The bridge is located on Zoar Road over Plum Run between US 22/SR 3 and Fredricks Stand in Hamilton Township. The existing concrete bridge was replaced with a precast three sided concrete arch bridge. DDK Construction completed the bridge replacement project for \$128,157. The project was funded by the Warren County Engineer.

Layman Road Bridge #178-0.15

Rehabilitation of the Layman Road Bridge #178-0.15 over First Creek in Harlan Township was completed during the spring of 2011. The bridge is located on Layman Road between the Clermont County Line and Jackson-Runyan Road. It was a force account project that consisted of removing the existing steel beams and wood deck and replacing them with new steel beams and a galvanized metal deck utilizing the existing concrete abutments. The project cost \$32,417.68 using funds from the Warren County Engineer.

Concrete Bridge Repair Project

This project consisted of repairing concrete structures on eleven bridges located on various roads in Warren County. DDK Construction completed the repair work during the summer and fall of 2011 for \$63,980. The project was funded by the Warren County Engineer.



2011 Resurfacing

Cost - \$1,754,231.99

Contractor - John R. Jurgensen

Warren County Roads

	mileage
Wilmington Road (CR 7)	1.006
Bellbrook Road (CR 29)	2.240
Springboro Road (CR 41)	2.386
Old Stage Road (CR 50)	0.183
Snider Road (CR 58)	1.028
Stephens Road (TR 158)	0.409
	7.252

Clearcreek Township Roads

	mileage
Highmount Drive (TR 469)	0.100
Abbey Court (TR 494)	0.063
Alec Court (TR 505)	0.062
London Court (TR 506)	0.053
Patton Drive (TR 510)	0.759
Innsbrook Lane (TR 558)	0.458
Glen Eagles (TR 559)	0.149
St. Andrews Court (TR 560)	0.034
Point O'Woods Court (TR 562)	0.188
	1.866
Patricia Allyn Park	

Franklin Township Roads

	mileage
Hobart Avenue (TR 2044)	0.173
Miami View Drive (TR 2045)	0.124
Montgomery Avenue (TR 2087)	0.249
Kipton Drive (TR 2088)	0.261
Heritage Road (TR 2089)	0.344
	1.151

Hamilton Township Roads

	mileage
Sibcy Road (TR 142)	1.492
Stephens Road (TR 158)	0.800
Ford Road (TR 162)	0.457
Tabard Court (TR 523)	0.134
Avalon Drive (TR 524)	0.309
Chaucer Place (TR 525)	0.204
	3.396

Harlan Township Roads

	mileage
Gustin Rider Road (TR 187)	1.519
Fischer Road (TR 205)	0.679
	2.198

Salem Township

Salem Township Fire Station

Union Township Roads

Shawhan Road (TR 79)

mileage

0.810

0.810**Warren County Commissioners**

East Parking Lot

West Parking Lot

Wayne Township Roads

Laura Marie Drive (TR 312)

mileage

0.659

0.659**2011 Chip Seal**

Cost - \$276,074.64

Contractor - Miller-Mason Paving Co.

Warren County Roads

mileage

Mason-Morrow-Millgrove Road
(CR 38)

2.822

2.822**Hamilton Township Roads**

mileage

Schlottman Road (TR 143)

0.76

Hatt Swank Road (TR 144)

0.612

1.372**Salem Township Roads**

mileage

Gheils Carroll Road (TR 168)

1.31

Gheils Carroll Road (TR 168)

0.772

Achterman Road (TR 169)

0.816

3.014**Turtlecreek Township Roads**

mileage

Nickel Road (TR 68)

1.765

Nixon Camp Road (TR 83)

1.418

Wood Road (TR 89)

0.68

Liberty Keuter Road (TR 95)

0.813

Kirby Road (TR 102)

2.5

7.176**Village of Corwin Roads**

mileage

Pigeon Street

0.075

Main Street

0.154

Partridge Street

0.06

Purkey Lane

0.127

1st Street

0.053

2nd Street

0.057

John Street

0.101

High Street

0.113

Alley

0.059

0.799**Wayne Township Roads**

mileage

Waynesville Road (TR 39)

0.58

Middletown Road (TR 30)

1.33

Middletown Road (TR 30)

1.067

Middletown Road (TR 30)

1.089

Red Oak Road (TR 141)

1.012

O'Neill Road (TR 229)

1.92

Old State Route 73 (TR 251)

0.349

7.347

Permits Summary

The Warren County Engineer's Office issues permits for right-of-way work, permits for over-sized trucks to travel on township and county roads, permits for driveways and road frontage, and issues new addresses.

Before work may be performed in public right-of-way on all township and county roads, a permit must be issued. When a new address is issued, the permits supervisor forwards the new address to the building department (if necessary), emergency services, and the post office.

In a subdivision plat with streets having curb and gutter, addresses are pre-assigned and driveway permits are not necessary.

The following are tables showing the average number of permits issued since 2000 and the summaries of 2009, 2010, and 2011:

Right-of-Way Permits

	An Average of 2000-2008	2009	2010	2011
Clearcreek	22	14	19	19
Deerfield	54	54	57	92
Franklin	14	10	21	33
Hamilton	37	33	57	59
Harlan	31	14	15	21
Massie	6	5	2	4
Salem	12	10	4	13
Turtlecreek	32	14	17	14
Union	8	2	20	13
Washington	18	3	3	3
Wayne	19	7	9	10
Total	253	166	224	281

Driveway/Address/Piped Frontage Permits

	An Average of 2000-2008	2009	2010	2011
Clearcreek	153	38	55	50
Deerfield	16	4	4	7
Franklin	31	8	13	10
Hamilton	45	17	19	19
Harlan	47	16	11	14
Massie	8	1	1	2
Salem	24	12	4	6
Turtlecreek	79	20	35	24
Union	14	4	3	7
Washington	43	10	12	12
Wayne	44	21	24	23
Total	504	151	181	174

WARREN COUNTY HIGHWAY DEPARTMENT

The Highway Department fulfills basic county road and bridge maintenance for 267.4 miles of road, 396 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 are required by law 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.

Winter Season Summary

The Highway Department's primary function during winter months is keeping Warren County roadways clear of snow and ice. There were 20 snow occurrences during the 2010-2011 winter season that required 2,037 hours of overtime by our road crew and consumed 7106 tons of salt to clear the roads. The entire season cost the county \$481,359.



WARREN COUNTY TAX MAP DEPARTMENT

Functions

The function of the tax map department includes making and keeping 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, making and keeping up 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, and keeping up a complete set of tax maps. Also, we label all 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.

WARREN COUNTY TAX MAP DEPARTMENT continued

Accomplishments

- Completed an archival scan of all 2010 Tax Maps.
- Completed an archival scan of all the 1977 and part of the 1986 aerial tax maps.
- Implemented the latest Arc 10 GIS software.
- Re-organized the right-of-way drawings for easier access.
- Provided access to all plats and surveys over the internet.

Statistics

Major documents processed:	Surveys filed — 124
Deeds — 7,126	Plats filed — 62
Mortgages — 11,766	Sherriff's precipe's processed — 1097
Assignments and releases — 16,755	Total 35,647

Plans for 2012

- Complete the capture of the paper tax map annotation data into the GIS mapping system.
- Begin quality control of new GIS tax maps.
- Begin printing new GIS tax map pages.
- Complete an archival scan of all 2011 Tax Maps.
- Complete an archival scan of the 1986 aerial tax maps.
- Complete an archival scan of aerial photos from 1956, 1962, 1968, and 1974.
- We will be adding the archived aerial images to the OnBase system.
- Index the annexation drawings into OnBase.



Stormwater Permit (Phase II)

Warren County is currently regulated by a stormwater permit from the Ohio EPA commonly referred to as Phase II. The WCEO 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 goal of the program is to protect the quality of our streams, lakes, and groundwater.

This work is done under the umbrella of the Warren County Stormwater District. We help meet the requirements of the permit by collaborating with other local agencies such as the Warren County Combined Health District (WCCHD) and the Warren County Soil and Water Conservation District (WCSWCD). The WCEO administers the permit by completing annual reports and updating our stormwater management plan.

This year we continued our efforts to reach the permit's requirements by providing environmental education to the public, mapping storm water infrastructure, ensuring that appropriate regulations are in place, and by helping to prevent pollution at public facilities. Find out how you can do your part to protect water quality by visiting our website:

<http://www.wceo.us/pages/Stormwater-District.html>



2011 Administrative Staff

Engineering Staff

Warren County Engineer

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ENGINEER'S OFFICE

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HIGHWAY MAINTENANCE, PERMITS, and INSPECTION

105 Markey Road
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(513) 695-3336

HIGHWAY DEPARTMENT

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

TAX MAP DEPARTMENT

460 Justice Drive
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(513) 695-1190

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

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

ANNUAL REPORT 2011
WARREN COUNTY ENGINEER'S OFFICE

