

# LUCAS COUNTY ENGINEER'S 2010 ANNUAL REPORT



Lucas County Engineers Office  
Keith G. Earley, P.E., P.S., Lucas County Engineer



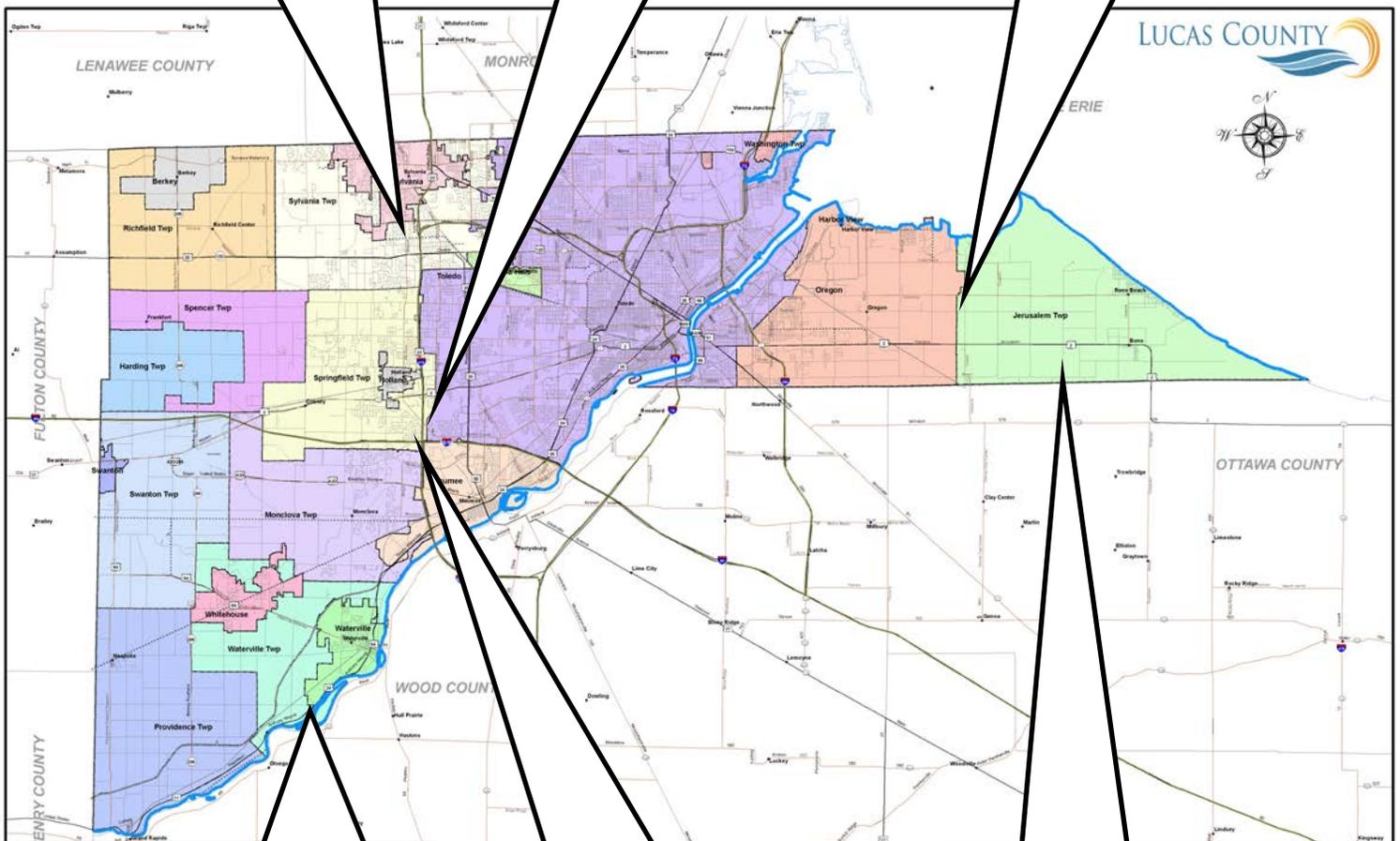
University Parks Bike Trail @ McCord Road



Holland Sylvania Road and Perrysburg  
Holland Road (looking North)



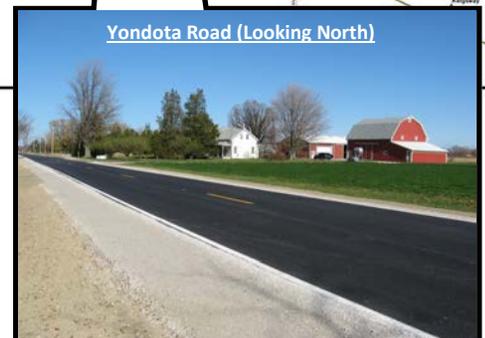
Seaman Road (Looking East)



Neowash Road (Looking West)



Garden Road (Looking West)



Yondota Road (Looking North)

Some of the 2010 O.P.W.C. Reclamation and Overlay and Thin Overlay Projects

Lucas County Engineer's Office

One Government Center  
Suite 870

Toledo, Ohio 43604-2258

Phone: 419-213-4540

Road Maintenance Department

2504 Detroit Avenue

Maumee, Ohio 43537

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Editor—Brian S. Miller



JUNE 1st, 2011

The Lucas County Engineer's Office is responsible for repair, maintenance, construction, and upgrading of 282 centerline miles of county owned roads located outside municipalities, responsible for the maintenance and improvement of 169 bridges on county and township maintained roads along with 241 culverts, and 220 miles of storm sewers, and related roadside ditches, and responsible for the major maintenance of bridges over water on extensions of county roads inside the municipalities. We provide engineering services to the eleven townships for the maintenance and improvement of 378 miles of township maintained roads and we review the design and construction of new residential and commercial developments in the townships. We also review boundary surveys and update the county tax maps.

We receive about \$12 Million per year from dedicated motor vehicle license plate fees and state gas tax for the maintenance and improvement of our highway system. Those funds can not be used for any other purpose. That funding has not increased in the past eleven years, while costs have gone up 50%. State and federal funds are available for specific projects and most funding is allocated on a competitive basis, the amount received varies from year to year, but over the past ten years we have averaged about \$4 million per year. We have reduced our work force by 35% in an effort to provide funding for the capital improvements necessary to maintain the system. Overall, our county highway system is currently in pretty good shape, but additional funding will be necessary if we hope to maintain that good condition.

Our 2010 annual report lists several significant projects. The two largest projects by far are: The \$36 Million Salisbury& Dussel Interchange with US23 currently under construction, where we are partnered with the City of Maumee, The Toledo Lucas County Port Authority and ODOT; and the \$35 Million McCord Road Underpass with the Norfolk Southern Railroad where we partnered with the Village of Holland and construction is planned to begin in 2014. However, the \$4 Million Sylvania Avenue improvements, the \$3 Million McCord Road widening and the \$2 Million Angola Road widening are also significant improvements.

I would like to thank our dedicated employees. If you have questions or concerns, please call us at 419.213.4540 or visit our website [www.co.lucas.oh.us/engineer](http://www.co.lucas.oh.us/engineer).

We appreciate the positive response to last year's report. Your feedback is always welcome.

Very truly yours,

*Keith Earley*



Keith G. Earley, P.E., P.S.  
Lucas County Engineer



## **RESPONSIBILITIES OF THE LUCAS COUNTY ENGINEER'S OFFICE**

1. Inspection, maintenance, repair, widening, resurfacing and reconstruction of pavements and storm drainage for the Lucas County Highway System. Road maintenance duties include traffic control, safety projects, mowing, snow removal, bridge/culvert maintenance, berming, pavement repair, roadside ditch and storm drainage improvements and similar functions.
2. Maintaining public surveying records, bridge/culvert data, property tax maps and the County/Township's road, culvert and drainage records.
3. Advising and providing engineering/surveying services to the eleven (11) Townships in regard to maintenance, construction and repair of the Township Highway System.
4. Overseeing design and construction of new subdivisions and reviewing site plans and permits for development projects in the Townships.
5. Inspection, repair, reconstruction and replacement of bridges on the County and Township roadway systems.
6. Maintaining and repairing ditches and retention areas that have been petitioned by affected property owners. Working with the Toledo Area Sanitary District on needed ditch cleanouts.
7. Administering District 12's (Lucas County) Program for the Ohio Public Works Commission to implement the State Capital Improvement Program, the Local Transportation Improvement Program, Job Ready Sites (JRS), and the Clean Ohio Revitalization Fund Program (CORF).
8. Participating by co-operative agreements, in certain road and bridge projects with the Townships, Cities and Villages of the County.
9. Managing the new Lucas County Phase 2 Storm Water District

## 2010 ANNUAL REPORT

To: The Honorable Board of County Commissioners & the Citizens of Lucas County

The purpose of this report is to discuss the current condition of our highway system, significant projects completed, underway, and planned, and to discuss the long term outlook and needs.

### Current Condition

Currently, more than half of the 282 centerline miles of county maintained roads have paved shoulders, 4 to 6 feet wide on each side, and many of the deeper roadside ditches have been enclosed for additional safety. Additional lanes have been added to accommodate increased traffic, and we currently maintain 645.5 lane miles. Most all of the pavements are in relatively good condition with very few potholes or other forms of significant distress. All of our bridges can safely handle legal loads. Many improvements have been made to our traffic signals and all have energy efficient LED bulbs with battery backup for power outages. Most of our signing has been recently upgraded and in very good condition. Numerous improvements at intersections have been made over the past eleven years resulting in minimal delay at most intersections. More improvements are needed, but overall the system is in relatively good condition.

### Significant Projects Constructed

Several large projects were under construction during 2010.

#### *Sylvania Avenue & Holland Sylvania Road*

This intersection experienced frequent delays and had the highest crash rate of any Lucas County maintained intersection. Prior to construction, this intersection averaged a little over 30 crashes per year. We expect that this \$4 million project will significantly reduce the delay and the number of crashes and resulting injuries. We were very fortunate to receive state and federal funding to cover 95% of the project costs.

Federal Funding: \$2.8 million

State Funding: \$680,000

Engineer: \$520,000



### *McCord Road between Central & Sylvania Avenues*

This section of roadway also experienced a high crash rate, mostly due to turning vehicles. The new center Two Way Left Turn Lane constructed throughout the project limits should significantly reduce those crashes. This project was sold in 2009 and completed in 2010.

Total Funding: \$2.7 million  
Federal Funding: \$2.5 million  
OPWC Funding: \$.100 million

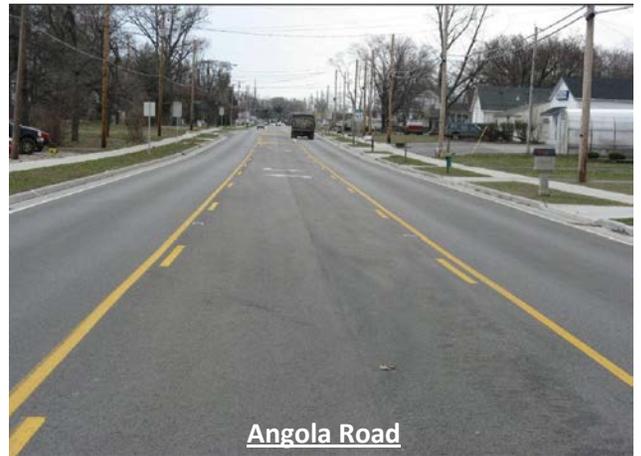


McCord Road

### *Angola Road between Whisperwood Parkway and McCord Road*

This was a joint project with the Village of Holland. A new center Two Way Left Turn Lane was constructed on this project also to provide safe refuge for turning vehicles and a new traffic signal was installed at Clark Street. This project sold in Dec. 2008 and wrapped up in the Spring of 2010.

Total Funding: \$1.973 million  
Federal Funding: \$.700 million  
OPWC funding: \$.365 million  
Village of Holland Funding: \$.305 million



Angola Road

### *Salisbury Road/Dussel Road & I-475 Interchange Improvements*

The City of Maumee, Lucas County and the Toledo- Lucas County Port Authority are the local partners on this \$36 million project. The local partners have worked 14 years and invested \$7.6 million, mostly for right of way purchased in advance of project approval. The bid cost for construction was \$24.5 million, and the project is being administered by the Ohio Department of Transportation. Two loop ramps are being added to the interchange to eliminate left turn movements getting on to the interstate, and additional lanes are being added to Salisbury/Dussel Road. A traffic signal at Manley Road was later added to the project. The project is designed so that a collector road could be built and connected to new ramps at US20A in the future.

Construction began in 2009 and is scheduled for completion in the fall of 2011.



I475/Salisbury Road Interchange -  
Dussel Road at Arrowhead Road  
(Looking East)

## *Sylvania-Metamora Road Storm Sewer Replacement & Resurfacing*

This \$1.25 Million project along with a \$77,000 improvement to the outlet to Cobblestone Subdivision should reduce flooding in that part of Sylvania Township. The 2010 Quality Award for Asphalt Paving was presented to the Lucas County Engineer's Office and Gerken Paving for the resurfacing on this project.

Total Funding: \$1.225 million  
OPWC Funding: \$.600 million



## *2010 Annual Resurfacing Program*

In 2010, our annual resurfacing program totaled approximately 16 miles, for a total project cost of \$2.967 million. Funding from the Ohio Public Works Commission paid over 40% of that project cost or \$1.193 million. The Box Road resurfacing project (pictured right) is an example of one of the roads in the 2010 Annual Resurfacing Program.



## *Monclova Road—Bridge #727*



Bridge #727 on Monclova Rd.

Total Funding: \$.997 million  
Federal Funding: \$.811 million

## *Frankfort Road—Bridge #263*



Bridge #263 on Frankfort Rd.

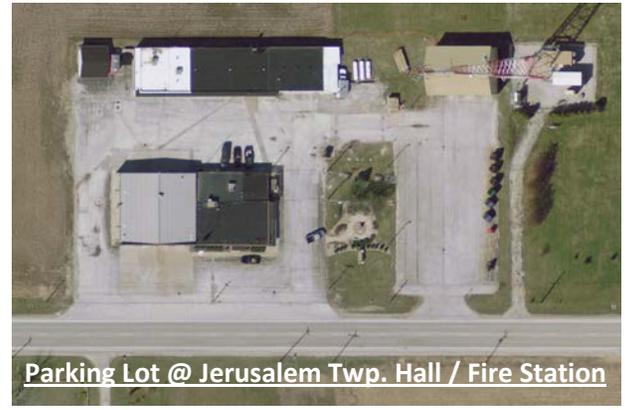
Total Funding: \$.345 million

All of the projects let to construction in 2010 are listed below:

PROJECT NAME	PROJECT MANAGER	PROJECT LET DATE	CURRENT ENGINEER ESTIMATE	AWARDED CONTRACTOR	AWARDED AMOUNT
Sylvania-Metamora Road Storm Sewer Replacement & Resurfacing (Mitchaw Rd to 0.2 mi east of Centennial Rd)	BWM / JML	LET (02/11/10)	\$1,527,855	Salenbien Trucking & Excavating, Inc.	\$1,235,613.15
Menclova Road Bridge 727 Replacement (Albon Rd. to Lose Rd.)	BAZ	LET (02/24/10)	\$1,072,485	Vernon Nagel, Inc.	\$758,098.70
Sylvania Avenue @ Holland-Sylvania Road Intersection	JML	LET (03/10/10)	\$2,370,883	Crestline Paving & Excavating, Inc.	\$2,304,288.42
Annual Crack Seal Program (Lucas County work only)	JSP	LET (03/24/10)	\$173,500	D.G. Slurry Seal of Toledo, Inc.	\$157,400.00
Frankfort Road Bridge #263 Replacement (0.25 mi west of Raab Rd)	BAZ	LET (04/07/10)	\$329,777	Vernon Nagel, Inc.	\$293,311.50
Annual Traffic Safety Program - Curb Ramp Program	JSP	LET (04/14/10)	\$113,913	Midwest Contracting	\$84,400.43
Annual Traffic Safety Program - Guardrail Project	DJP	LET (04/14/10)	\$168,000	Lake Erie Construction	\$163,455.00
Box Road: Reclamation & Overlay (Heller Road to US 24)	JML	LET (04/21/10)	\$355,584	Geddis Paving & Excavating, Inc.	\$309,383.41
Annual Emulsified Seal Coat Program (County Portion)	JSP	LET (05/07/10)	\$194,763	D.G. Slurry Seal of Toledo, Inc.	\$168,477.84
Cobblestone Outlet Improvement	BWM	LET (05/12/10)	\$96,292	Schoen, Inc.	\$77,148.50
2010 Reclamation & Overlay -Seaman Street -Yondota Road	JML	LET (07/21/10)	\$928,618	The Shelly Co.	\$857,848.49
Annual Bridge Repair Program		LET			
Brynck Road Bridge #3101 & Pier Repair Bridge # s 8, 101, 295, 396, & 780	BAZ	(07/29/10)	\$250,396	Miller Bros. Construction Co., Inc.	\$215,767.90
Annual Chip Seal Project	JSP	LET (07/29/10)	\$26,312	Henry W. Bergman, Inc.	\$25,092.50
Annual Resurfacing Program -Elliston Road -Sylvania Avenue	JSP	LET (08/19/10)	\$347,998	Kokosing Construction Co., Inc.	\$257,971.90
2010 OPWC Thin Overlay Program	JSP	LET (08/27/10)	\$1,721,896	The Shelly Co.	\$1,529,782.24
<b>TOTALS</b>			<b>\$9,676,272</b>		<b>\$8,438,039.98</b>



Parking Lot Expansion @ Keener Road



Parking Lot @ Jerusalem Twp. Hall / Fire Station

## TOWNSHIP PROJECTS AWARDED IN 2010

Let by Townships-Design and Inspection performed by County Engineer

PROJECT NAME	PROJECT LET DATE	AWARDED CONSTRUCTION COST
Republic Boulevard North (Sylvania Township)	3/2/2010	\$92,749.85
2010 Annual Resurfacing (Lancelot, Robinhood, Tejon, Eaglehurst, Falconhurst, Elmwood, Nantuckett - Sylvania Township)	3/2/2010	\$440,657.98
2010 Crack Seal (bid with LCE project - Monclova Township)	3/24/2010	\$26,000.00
2010 Resurfacing Project (Ramm, Fallen Timbers, & Hilltop - Monclova Township)	4/7/2010	\$575,876.31
Parking Lot Expansion @ Keener Road (Bid with Ph 2 project - Monclova Township)	4/7/2010	\$61,478.20
Weckerly Rd & Salisbury Rd Resurfacing (2009 Phase 2 - Monclova Township)	4/7/2010	\$192,268.00
LaPlante Road Emulsified Seal Coat (bid with LCE project - Monclova Township)	5/7/2010	\$22,099.60
Twp Hall / Fire Station Parking Lot (Jerusalem Township)	5/25/2010	\$69,949.56
2010 Pavement Improvements (Meadowcraft, Millbrook, Queensdale, Nassau, Denton, & Geiser - Springfield Township)	6/7/2010	\$510,904.95
Miller Road Storm Sewer (Richfield Township)	6/21/2010	\$40,783.00
Manore Road Storm Sewer (Swanton Township)	7/13/2010	\$36,543.00
2010 Emulsified Seal Coat Project (Sylvania Township)	8/3/2010	\$56,191.80
Curtice Area Resurfacing (Dier, Lorenzen, Ingraham, Cedar Brown) Let w/ LCSE North Curtice Road Waterline Project (Jerusalem Township)	8/18/2010	\$118,467.00
	<b>TOTALS</b>	<b>\$2,243,969.25</b>



Panoramic View along Seaman Road in Jerusalem Township

# Lucas County Roundabout Projects

Two modern roundabouts have been built and eight more are planned. Roundabouts have been shown to reduce the number of serious crashes by approximately 90% and also eliminate unnecessary waiting.



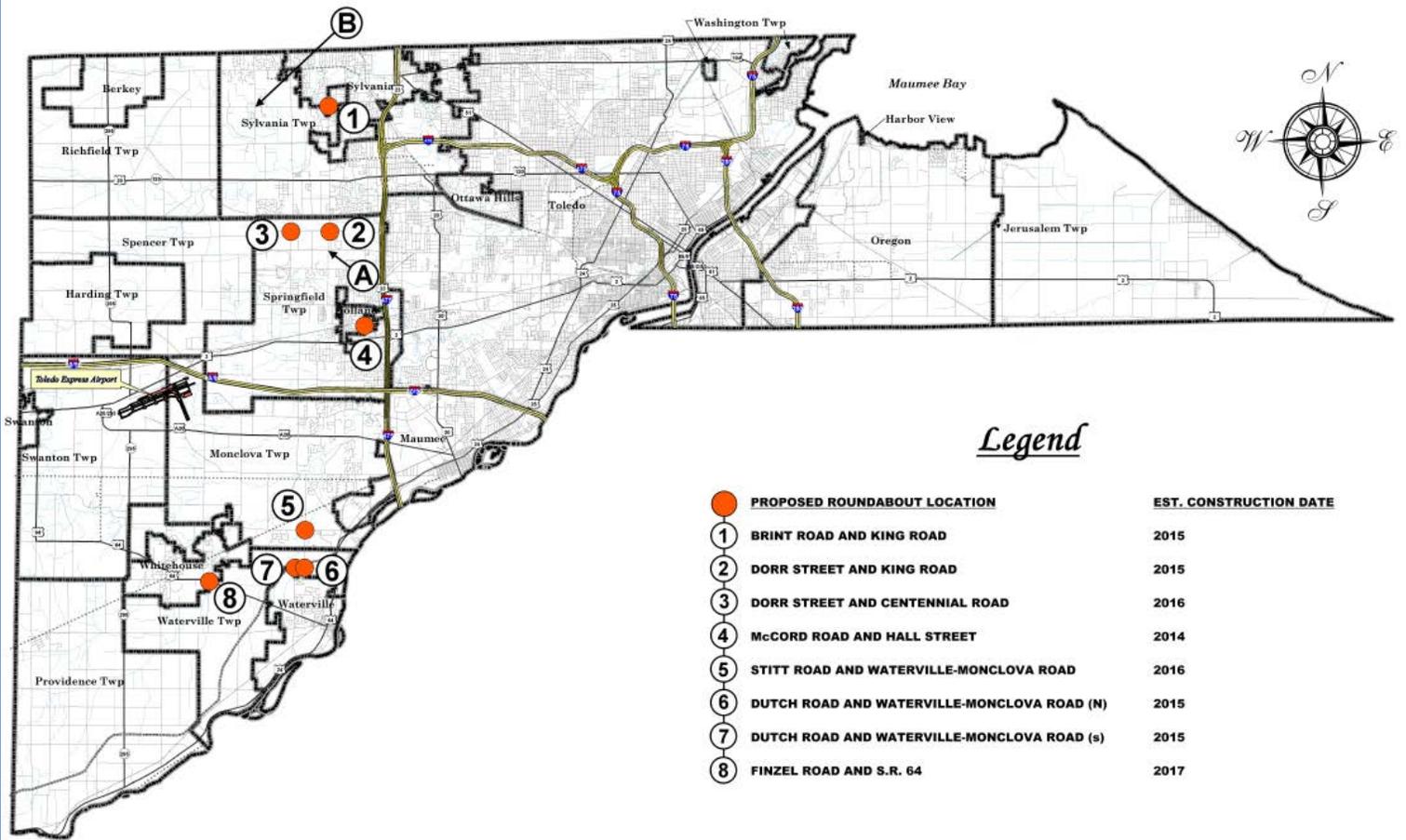
**(A)** King Road And Nebraska Road Roundabout — 2008

Total Funding: \$.994 million  
 Federal Funding: \$.350 million  
 OPWC Funding: \$.234 million



**(B)** Brint Road And Mitchaw Road Roundabout — 2009

Total Funding: \$.694 million  
 Federal Funding: \$.489 million  
 OPWC Funding: \$.074 million



**Existing and Future Roundabout Locations**

## Significant Projects Planned or Underway

### North Jerome Road Extension (Monclova Road to Fallen Timbers Mall)

The project will widen & realign North Jerome Road from Monclova Road to The Shops at Fallen Timbers Town Center Drive D. The City of Maumee awarded this project in Feb. 2011. The project includes signalization and turn lanes at Monclova Road upgrades to the rail crossing, new water lines, sanitary sewer lines and storm sewers. Bike and pedestrian facilities will be provided connecting to the Wabash Cannonball. The County Engineer's office performed plan review, right of way acquisition and construction engineering.



The Shops at Fallen Timbers



### McCord Road from Regents Park Blvd to Central Avenue

This 2012 federal-aid project will add a center Two Way Left Turn Lane throughout the project along with paved shoulders on each side of the roadway. A large storm sewer will be replaced and some sidewalk will be constructed along the west side. The estimated cost of construction is \$1.45 Million.

Total Funding: \$1.923 million  
Federal Funding: \$1.268 million  
OPWC Funding: \$.343 million

### Angola Road & Holland Sylvania Road Improvements

Additional turn lanes will be added and signalization will be upgraded including coordination with the railroad crossing gates. The project should reduce delay and reduce the number of crashes. The estimated cost of construction is \$770,000 and planned for 2012.

Total Funding: \$1.088 million  
Federal Funding: \$.676 million  
OPWC Funding: \$.302 million

## McCord Road Underpass

Construction on this \$35 Million project in the Village of Holland/Springfield Township , next to Springfield High School is expected to begin in 2014 and take 24 to 30 months to complete. The project will include pedestrian and bicycle facilities and a two lane modern roundabout will be constructed at the intersection of Hall & North Mall with McCord Road. \$9 Million of funding for the project was originally included in Governor Taft's 2001 railroad grade separation project but after enlarging the project to include 4 tracks, rapidly increasing construction costs and additional development near the project, much more funding was needed. A detailed Cost-Benefit Analysis was done according to federal standards when we applied for federal stimulus funding. The benefits of the project over the entire corridor from Airport Highway (SR 2) to Angola Road included reduced delay on McCord Road at the crossing and through intersections along the corridor, reduced fuel consumption, reduced green house gas emissions and a reduction in the traffic crashes. Significant delays currently occur and that situation is expected to get much worse, since train traffic is expected to double. The calculated Net Present Value of the improvements yielded more than a 5/1 Benefit / Cost Ratio. Local partners include the Toledo Metropolitan Council of Governments (TMACOG) and the Village of Holland.



## Long Term Outlook & Needs

Our roadway system of 282 miles is currently in good condition. In 2010, we paved approximately 15.79 miles. We will pave 12.05 miles in 2011 and 8.80 miles in 2012. We can maintain our roadway system's good condition if we do 35 miles of preventative maintenance and 10 miles of rehabilitation and reconstruction miles per year within the 7-year C.I.P. **We are projecting an average of 11 miles of resurfacing and 35 miles of preventative maintenance per year for the next seven years (2011 – 2017).** Depending on what other improvements are planned for any given year, road construction miles will vary.

Our bridges and culverts are in good condition as well. Many of our bridges and culverts have been replaced and/or repaired with prior road construction projects. There are currently 6 major bridge replacement projects scheduled to be let in the next 7-year period. These particular bridges will be stand alone construction projects.

Matching funds from outside sources have helped increase our construction output over the past several years, and our continuous effort to secure additional matching funds for 2011 and beyond is a necessity if we are to maintain our system and try to keep up with inflation and high fuel costs. For our 7-year C.I.P budget (2011 – 2017) approximately 34% will be matching funds from other public agencies:

Federal Funds	\$10,700,000
Ohio Public Works Commission	\$ 9,925,000
Other Agencies	<u>\$ 855,000</u>
	<b>\$21,480,000</b>

The following table compares 5-year increments to illustrate how our cost cutting measures and aggressive efforts to secure outside funding has produced a consistent operational environment for our office and construction activity for the Local contractors:

EXPENSES

	<u>2000 – 2004</u>	<u>2005 – 2009</u>	<u>2010 – 2014</u>
Operating	\$ 33,194,917	\$ 33,035,527	\$ 29,898,891
C.I.P.	<u>\$ 44,513,507</u>	<u>\$ 46,557,573</u>	<u>\$ 50,947,262</u>
	<b>\$ 80,846,153</b>	<b>\$ 77,708,424</b>	<b>\$ 79,593,100</b>

REVENUE

Outside	\$ 19,465,128	\$ 16,949,355	\$ 20,569,351
Dedicated	\$ 57,765,321	\$ 61,858,443	\$ 60,276,802
Carry-Over	<u>\$ 477,975</u>	<u>\$ 785,302</u>	<u>—</u>
	<b>\$ 77,708,424</b>	<b>\$ 79,593,100</b>	<b>\$ 80,846,153</b>

CAPITAL IMPROVEMENT PROJECTS (C.I.P.)

Bridge Repairs	8	9	11
Bridge Replacements	12	8	5
Road Rehabilitation/ Reconstruction	114.99 mi.*	71.74 mi.	58.54 mi.

C.I.P. (cont.)

	<u>2000 – 2004</u>	<u>2005 – 2009</u>	<u>2010 – 2014</u>
Road Preservation	*	63.96 mi.	179.49 mi.
Drainage	10	6	13
Intersections	8	4	3
Signals/Upgrades	8	16	23
Safety Programs	15	8	7

\*Roadway improvements/maintenance was split into these two categories beginning in 2008 to reflect our efforts to balance the maintenance and improvement needs of our Roadway System and declining dedicated revenues.

The only remaining areas to cut costs are in service delivery and relocating our offices closer to our work – we are addressing both by purchasing the property next to the Sanitary Engineer’s Office and having continuous discussions between our two offices to find ways to eliminate redundancy in our two operations by sharing equipment and personnel. By having our Road Maintenance Department move to that location, we estimate our office will save at least \$200,000 per year.

The following tables give detailed information on the County’s roadway pavement, bridges and culverts:

**LUCAS COUNTY PAVEMENT INFORMATION**

<b>Pavement Rankings *</b>	<b>2009 Miles</b>	<b>2010 Miles</b>
<b>Best: No Work</b>	109.0	119.7
Maintenance Work	140.5	133.7
Resurface	41.0	40.5
Widening & Resurfacing	3.0	2.8
<b>Poorest: Reconstruction</b>	3.9	1.0
	297.4	297.7

• Includes Shared Roads with Other Jurisdictions



<b>Pavement Work</b>	<b>2009 Miles</b>	<b>2010 Miles</b>
Crack Seal (Contract)	29.1	26.9
Surface Seal (Contract)	5.7	9.2
Resurfacing Wide/ Resurfacing, or Reconstruction (Contract) *	11.6	18.3
<b>TOTAL</b>	46.4	54.4
<b>% of System (Overall)</b>	15.6%	18.3%



## LUCAS COUNTY PAVEMENT INFORMATION (cont.)

Width Summary		State Average (CEAO 2003)
24' Wide or more	40%	All Ohio County Roads 20 feet wide or more equal 31%
22' to 24' Wide	19%	
20' to 22' Wide	22%	
18' to 20' Wide	16.5%	7%
16' to 18' Wide	2%	41%
Less than 16'	0.5%	21%

State Average Unpaved County Roads: 8%  
Lucas County System of Unpaved Roads: 0%

CEAO minimum criteria is 20 foot wide road for County roads:  
- All of Ohio County Roads at 20 ft. or more: 31%  
- Lucas County Roads at 20 ft. or more: 81%

- Average Lucas County Road Width is 23.6 feet.
- Total lane miles 645.5 +/-.
- Approximate travel lane surface area = 4,124,727 sq. yds.
- Approximate paved berm surface area = 681,160 sq. yds.
- Average Lucas County Maintained Road ADT is 2395 vehicles per day +/-.
- 152.1 miles (51.1% of System) has paved asphalt berms.

## LUCAS COUNTY BRIDGE INFORMATION

### Summary of Structures Inspected By The Lucas County Bridge Engineer



	Category	Vehicular Bridges	Pedestrian Bridges	Culverts
Inspection, Inventory and Reporting by Lucas County	Lucas County Roads	104	0	3
	Township Roads	56	0	0
	BLCC Trails	0	4	0
	Metroparks	3	4	0
	Municipalities			
	Berkey	3	0	0
	Holland	1	0	0
	Maumee	2	0	0
	Ottawa Hills	6	1	0
	Oregon	8	0	0
	Sylvania	12	1	0
	Toledo	13	0	0
	Whitehouse	3	1	1
	<b>Sub-Totals</b>	<b>211</b>	<b>11</b>	<b>4</b>

Inventory by Others. Cursory Inspection by Lucas County	Municipal Trails	0	1	0
	County Roads over US23/1475	6	0	0
	Municipalities			
	Toledo	1	0	0
	Whitehouse	0	1	1
	<b>Sub-Totals</b>	<b>7</b>	<b>2</b>	<b>1</b>

<b>Totals</b>	<b>218</b>	<b>13</b>	<b>5</b>
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## LUCAS COUNTY CULVERT INVENTORY

Township / Location	Number on County/Bikeway Road System
Harding	12
Jerusalem	20
Monclova	35
Providence	25
Richfield	20
Spencer	21
Springfield	39
Swanton	12
Sylvania	38
Washington	2
Waterville	16
<b>Sub-Total</b>	<b>240</b>
Bike Trails	25
<b>Total</b>	<b>265</b>

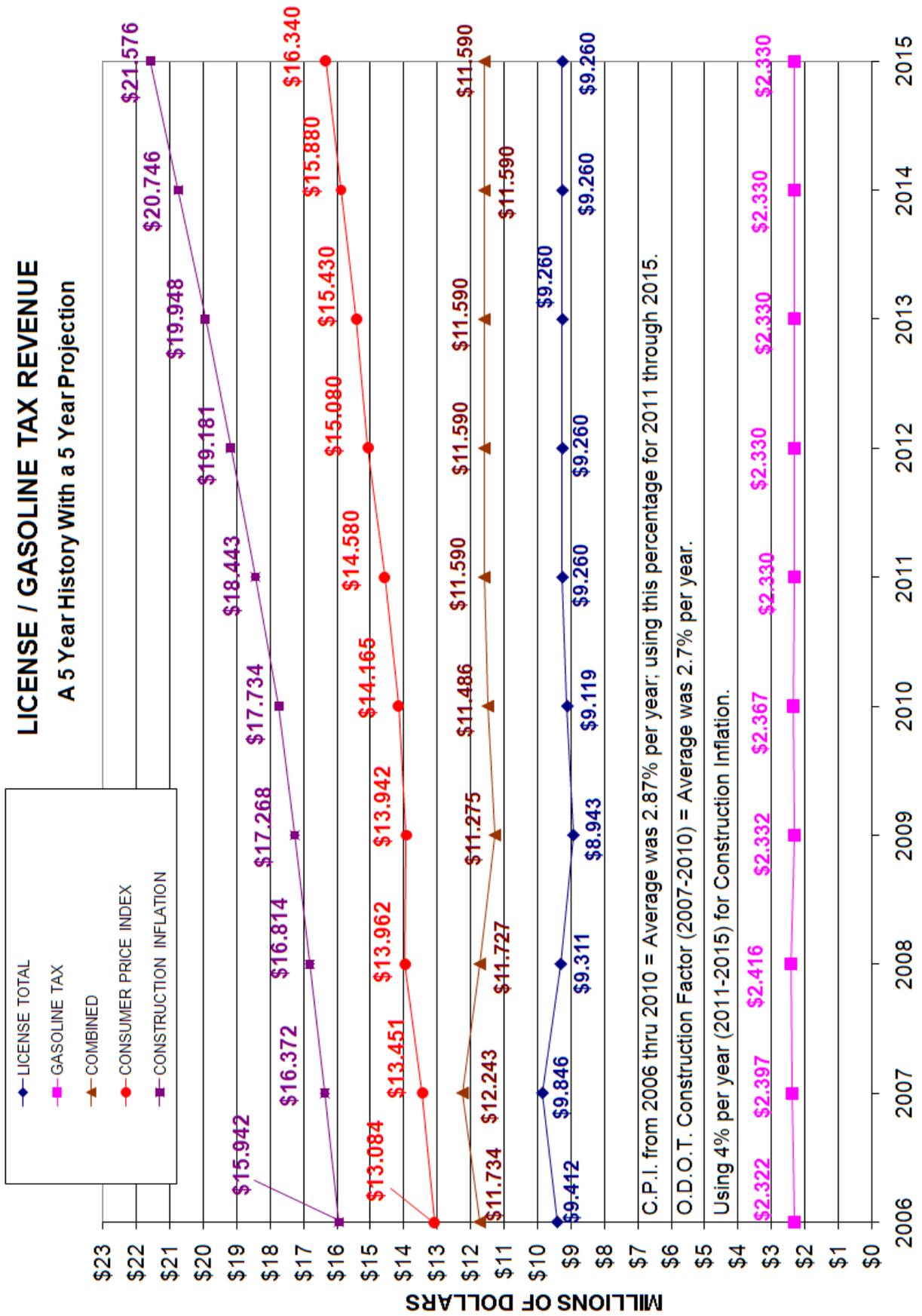
PHYSICAL CONDITION		BIKE-TRAILS
Good	225	21
Fair	6	1
Poor	8	3
Critical	1	0
	240	25
	<b>265</b>	

Note: The above numbers represent structures with spans greater than or equal to 2'; but less than 3' with both ends open, and spans greater than or equal to 3', but less than 10' regardless of open ends.



# LICENSE / GASOLINE TAX REVENUE

A 5 Year History With a 5 Year Projection



C.P.I. from 2006 thru 2010 = Average was 2.87% per year; using this percentage for 2011 through 2015.

O.D.O.T. Construction Factor (2007-2010) = Average was 2.7% per year.

Using 4% per year (2011-2015) for Construction Inflation.

## DEPARTMENT

### HIGHLIGHT

The construction department provides a full range of construction management services for all construction on the Township and County Road systems. Administration of each contract includes measurements and documentation of all pay items, adherence to plans and specifications, preparation of payments and maintenance bonds.



Construction Department - left to right—Joel Palermo (Construction Engineer), Dave Linker (Inspector), Tom Burnworth (Inspector), Margie Knopp (Inspector), Tom Brinkman (Inspector), Rick Stevens (Inspector), Josh Hazard (Project Supervisor)

The department also:

- Works closely with the design department to construct all roadway and intersection improvements along with drainage, signal, bridge and culvert projects.
- Inspects all township construction.
- Assists in preparing the annual widening and resurfacing, and roadway preservation programs.
- Works closely with the planning department to inspect all subdivision and site plan work within the public right of way.
- Inspects all work by public and private utilities within both the township and county right of way.

## SERVICE AWARDS



Dale Bettinger	30 yrs
Jim Hall	30 yrs
Rick Kaufman	30 yrs
David Linker	30 yrs
Pat O'Boyle	30 yrs
Brian W. Miller	30 yrs
Jeff Morris	30 yrs
Mark Shiple	30 yrs

Tim Stopera	30 yrs
Gary Tucholski	30 yrs
Vincent Ceniceros	25 yrs
Rudolph Mravec	25 yrs
Edward Schutte	25 yrs
Gregory Wimberly	25 yrs
Ryan Belinske	20 yrs

David Machoukas	15 yrs
Troy Walborn	15 yrs
Margie Knopp	10 yrs
Brian S. Miller	10 yrs
Robert Neubert	10 yrs
Bryan Zienta	10 yrs



## RETIREMENTS



Mark Shiple



Gary Tucholski with Keith Earley



Rick Kaufman with Keith Earley

## Lucas County Engineer's Tax Map Department

In the County Auditor's office, the Tax Map section maintains tax maps and the parcel mapping portion of the County's Geographic Information System (G.I.S.), reviews all descriptions before transfers are made and assigns street address numbers or house numbers. Table 9 highlights the significant functions of the Tax Map and Records sections and how many times these functions were performed in 2010.

	2010
Transfers	7964
House Number Assignments:	
Plats	43
Others	126
Parcel Mapping:	
Road Vacations	8
Annexations	2
New Property Splits	297
Existing Properties Combined	278
New Subdivisions	11

## GIS News—Ohio's L.B.R.S.

The Location Based Response System (LBRS) is an initiative of the Ohio Geographically Referenced Information Program (OGRIP). The LBRS establishes partnerships between State and County government for the creation of spatially accurate street centerlines with address ranges and field verified site-specific address locations. Funding to support the development of LBRS compliant systems is available to counties through a Memorandum of Agreement (MOA) that establishes roles and responsibilities for program participation. Participating counties provide project management and QA/QC on road names, addresses, etc to develop data that is compatible with the state's legacy roadway inventory. The Ohio Department of Transportation is the LBRS Program Sponsor, providing technical guidance, support, and QA/QC services. The program is being administered by OGRIP, the state's coordinating body for Geographic Information System (GIS) activities.

Through the collaborative efforts of State and Local government the LBRS program is producing highly accurate field verified data that is current, complete, consistent, and accessible. LBRS data is maintained as an Ohio asset by local resources and is provided to the state as part of a coordinated long-term effort by OGRIP to reduce redundant data collection by developing data that meets the needs of several levels of government.

The LBRS supports a multi-jurisdictional approach to protecting the health, safety and welfare of the state's constituents.

Lucas County 9-1-1 and the Lucas County Engineer's Office partnered in this initiative in 2010. An LBRS team has been assembled to include the Lucas County 9-1-1, the Engineer's Office, the Auditor's Office and GIS analysts from the City of Toledo for the purpose of scrubbing and maintaining the new GIS street centerline and address locations being collected and delivered by a consultant. Mapping and collection of the data began Nov. 8th, 2010. Expected data delivery is late summer/early fall of 2011.

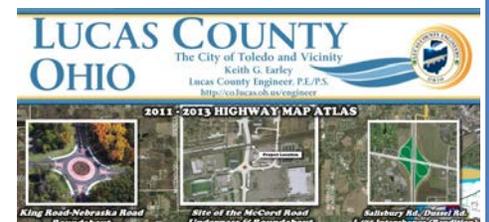
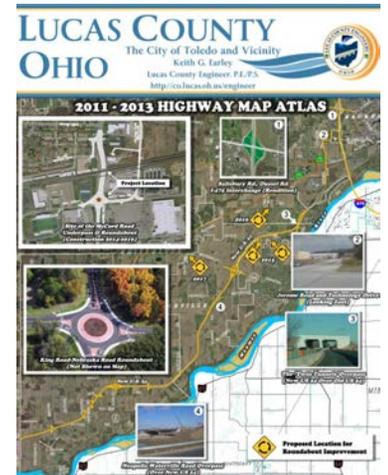
## Lucas County Engineer's 2011-2013 Highway Map Atlas

The Lucas County Engineer's Office will be releasing the latest edition of the Highway Map Atlas and folded Highway Map. We also have an online version of the County Map on the Lucas County website @ [www.co.lucas.oh.us](http://www.co.lucas.oh.us). Click on the "Online County Map" icon on the right hand side of the main web page. This online map is updated more frequently and easily locates streets and points of interest. The first copy is free to Lucas County residents and for people living outside the County the cost is \$2.00 per map.

Our office has expanded the distribution points where you can pick up a copy of this updated County map. The following is a list of those distribution points:

1. Lucas County Engineer's Maintenance Garage, 2504 Detroit Avenue, Maumee, Ohio 419.893.2232
2. Lucas County Engineer's Downtown Office, One Government Center, Suite 870, Toledo, Ohio 419.213.4540
3. The Toledo Lucas County Public Main Library and its 18 branches.

If you choose to have a copy of the map mailed to your home, you will be charged for shipping and handling. If you have any suggestions to make the Lucas County Highway map better and more user friendly, please contact my office by calling 419.213.4448 or by e-mail at [jshultz@co.lucas.oh.us](mailto:jshultz@co.lucas.oh.us)



## Lucas County Website—Request Tracker

A new feature for the Lucas County website that was worked on in 2010 called "Request Tracker", became available on the Lucas County website in 2011. The RequestTracker is a tool that can be used to report your concerns to the county, and also request services from the county. It can be used for reporting street lights that are out, potholes, or other concerns that are within the County's jurisdiction. Although there is presently not every Lucas County category/department listed, please keep checking this site for more categories/departments to be listed with their requests.

To access Request Tracker, go to the County website home page, and under the Lucas County News, click on Citizens Request Tracker to take you to the Request Tracker web page (see right).

You are here: [Home](#) > [RequestTracker](#)

### RequestTracker

The RequestTracker is a tool that can be used to report your concerns to the county, and also request services from the county. It can be used for reporting street lights that are out, potholes, or other concerns.

[Login to check on existing requests.](#)

Although there is presently not every Lucas County category/department listed, please keep checking this site for more categories/departments to be listed with their requests.

Thank you and remember LUCAS COUNTY LISTENS!

#### Public Works-County Engineer/Sanitary Engineer 9 Forms

- |   |   |
|---|---|
| <a href="#">County Drainage/Ditch Problem</a> | <a href="#">Request County Engineer CAD Files</a> |
| <a href="#">County Sanitary Sewer Problem</a> | <a href="#">Request County Engineer GIS Files</a> |
| <a href="#">County Storm Sewer Problem</a>    | <a href="#">Request County Engineer Records</a>   |
| <a href="#">County Water Line Problem</a>     | <a href="#">Request County Floodplain Data</a>    |
| <a href="#">Request a County Map</a>          |   |

#### Roads, Streets and Traffic 10 Forms

- |  |  |
|--|--|
| <a href="#">County Bridge/Culvert Problem</a>    | <a href="#">County Traffic Intersection/Signal Problem</a> |
| <a href="#">County Mailbox Problem</a>           | <a href="#">County Traffic Road Name Sign Problem</a>      |
| <a href="#">County Road Problem</a>              | <a href="#">Current County Road Project Inquiries</a>      |
| <a href="#">County Snow/ice Removal Problem</a>  | <a href="#">Dead Animal on County Road</a>                 |
| <a href="#">County Traffic Guardrail Problem</a> | <a href="#">Pothole on County Road</a>                     |

Thank you and remember LUCAS COUNTY LISTENS!

## Lucas County Stormwater Utility

### Phase II

Lucas County was identified as a Small Municipal Separate Storm Sewer (MS4) community by the EPA and was granted a discharge permit in 2003. We are currently operating under the second term of the permit (2009-2014). The Lucas County Engineer's Office (L.C.E.) administers the County's MS4 permit under the National Pollutant Discharge Elimination System (NPDES) commonly known as Phase II. The L.C.E. coordinates this permit with other named MS4 entities including the Townships of Jerusalem, Monclova, Spencer, Springfield, Sylvania, Washington and Waterville and the Villages of Holland and Waterville. The L.C.E. administration includes annual reporting, planning and meeting the requirements of the permit by collaborating with other local agencies such as Toledo/Lucas County Health Department, Lucas Soil and Water Conservation District, T.M.A.C.O.G. and Keep Toledo & Lucas County Beautiful.



The L.C.E. works toward reaching the permit's requirements through mapping storm water infrastructure, ensuring appropriate regulations are in place, detecting illicit discharges, and by advancing Good Housekeeping Practices at public facilities.

The storm sewer system map is shown on our Geographic Information System (G.I.S.) and is constantly updated. Our home sewage treatment systems (hsts) are also mapped on our G.I.S. and also needs to be constantly updated.

The Lucas County Commissioners formed a storm water utility to meet the ever demanding and expanding requirements to manage the storm sewer system mapping, hsts mapping, illicit discharge detention, perform storm water pollution prevention plans for facilities, monitor construction and post construction sediment erosion practices, and to fulfill all the requirements for the EPA Phase II permit.

For more information about the storm water utility and how Phase II affects you and our County, please contact our office or visit our website.



## STAFF DIRECTORY

### LUCAS COUNTY ENGINEER

Keith G. Earley, PE, PS 213-4539

### ADMINISTRATION

Administrative Deputy	Mark Drennen, MPA	213-4401
Clerical Supervisor	Missy Dixon	213-4548
Computer/CADD System Mgr.	Brian S. Miller	213-2074
Account Specialist	Kara Moore	213-4549
Engineering Records Technician	Sheila Marciniak	213-4674

### ROAD MAINTENANCE DEPT.

893-2232

Acting Superintendent	Greg Wimberly
Acting Assistant Superintendent	Ryan Belinski
Road Foreman	Michael Kashmer
Accounting Specialist	Kimberly Kettman
Accounting Specialist	Nancy Ovens

### DESIGN, CONSTRUCTION & TRAFFIC STAFF

Chief Deputy Engineer	Jeffery Lohse, P.E.	213-4558
Bridge Engineer	Bryan Zienta, P.E.	213-4094
Chief Surveyor	Denny Pritscher, P.S.	213-4552
Construction Engineer	Joel Palermo, P.E.	213-4527
Const. Project Supervisor	Joshua Hazard, E.I.	213-2072
Design Engineer	Patrick O'Boyle, P.E.	213-4404
Drainage Engineer	Brian W. Miller, P.E.	213-4556
Drainage & GIS	Robert Neubert	213-4555
Planning Engineer	Doug Parrish, P.E.	213-4550
R/W Coordinator	Scott Bernhard	213-4547
Township Engineer	Sarah Rowland, P.E.	213-4557
Traffic Operations Eng.	Ronald Myers, P.E.	213-4403
Traffic Operations	Kyle Warner, E.I.	213-2075

M.P.A. Masters of Public Administration

P.E. Professional Engineer

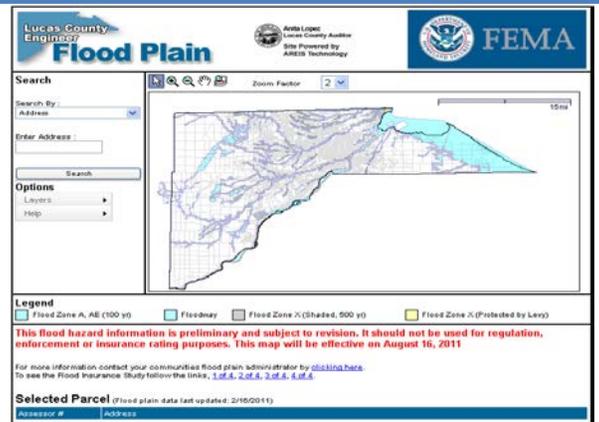
P.S. Professional Surveyor

E.I. Engineer Intern

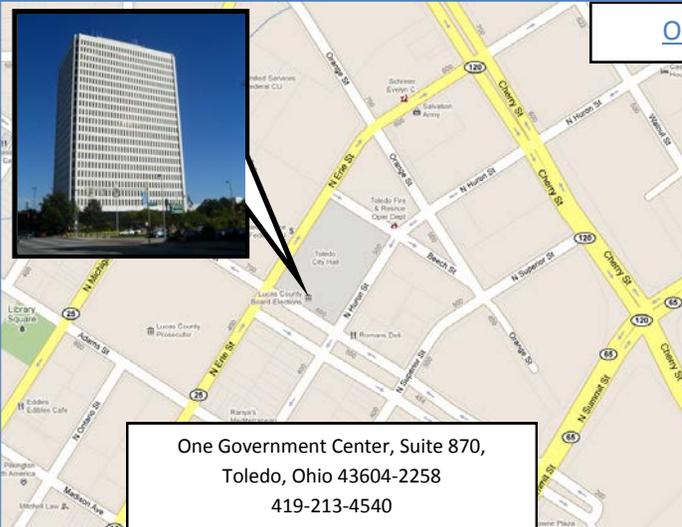
## Digital Flood Insurance Rate Maps

Lucas County has received the final Digital Flood Insurance Rate Map (D-FIRM) from FEMA. The map will be effective on August 16, 2011. This new D-FIRM is on the County's website and allows property owners all over the County to see the Floodplain in relation to their property and structures. This map represents a complete update of Lucas County and includes several new flood studies. The map is based on our 2001 digital contours and uses our 2006 aerial photos.

[Visit our website @ www.co.lucas.oh.us/engineer](http://www.co.lucas.oh.us/engineer)



### Office Locations



One Government Center, Suite 870,  
Toledo, Ohio 43604-2258  
419-213-4540

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2504 Detroit Avenue,  
Maumee, Ohio 43537  
419-893-2232