

LAKE COUNTY ENGINEER

Annual Report 2013



From the Desk of **JAMES R. GILLS, P.E., P.S.**

2013 brought both good and bad news for Lake County citizens. The good news is that we were able to complete several projects and move a big step forward on our major project.

Addressing the bad news; For the first time since the 2008 plunge, our income from the state was below state estimates. Every year we receive an estimate of income from gas sales, plates sold, etc. We generally budget based on 95% of the state's estimate.

Our income for this year from the state was \$427,722.00 below our budget income. That is a whopping 4.5% decrease! When you consider the 5% we left on the table to start, our income was under the state's estimate by 9.5% or approximately \$900,000.00. For this department, that is a major hit. License plate fees alone were off over \$200,000.00, which means our county residents are reducing the number of cars per household.

During 2013, Lake County removed the old bridge on St. Clair Street in Willoughby over the Chagrin River, which will not be replaced. Blase-Nemeth Road was widened and resurfaced from Bacon Road to SR 535 and Lake County cooperated with Concord Township on the Mountain Park Bridge drainage and repaving project.

We had two emergency projects in 2013. The first was a culvert failure on Hermitage Road that was replaced by county forces. Secondly, located on the spillway of a very small lake on Morley Road, near SR 84 and SR 44, a circa 1900 culvert failed. As a result of this failure, the embankment started to wash out. Lake County performed a sheet pile repair to hold the road in place. The project is still ongoing.

In 2013, our department also replaced two heavy duty pickup trucks and two light duty pickup trucks. We purchased one small dump truck and one large tandem dump truck. A small, used dump truck was also purchased from Painesville Township.

2013 also brought us Lake County's first modern Roundabout in Leroy Township. Though some minor setbacks were encountered, JTO, Inc. worked hard to keep the project on schedule. The project was completed on time and approximately 10% under budget.

The Vrooman Road project advanced significantly during 2013. Comments on the Preliminary Engineering Study provided by ODOT were resolved followed by the combined Stage I and II plans for the Bridge Replacement being submitted to ODOT on May 15, 2013. The roadway plans from I-90 to the South end of the proposed bridge replacement also advanced with the Combined Stage I and II plans scheduled to be submitted to ODOT early in 2014. The Draft Environmental Assessment Document and Section 4 (f) Evaluation Public Hearing was held for the project on October 24, 2013. The Public Hearing was well attended. The remainder of the year included significant effort assembling the questions and concerns with the appropriate responses from the environmental documentation. The project has remained on schedule, and will be for sale in the late fall of 2014.

The office would like to thank the public and The Lake County Officials for their cooperation during the year.

IN THIS ISSUE:

Site Plans & Grade
Inspections.....2

Pavement
Markings.....2

Maintenance
Activities.....2

Snow & Ice
Operations.....2

Permits.....2

Sign
Replacements....2

Revenue &
Expenditures.....3

Completed
Projects &
Grants.....4

2013

Site Plans & Grade Inspections

Commercial Site Plans Approved	19
Residential Site Plans Approved	135
Final Grade Inspections	310

Pavement Markings

Type	County	Township
Centerline	111.83 mi	0.30 mi
Edge Lines	200.22 mi	0
Stop Lines	102	8
Railroad Crossings	26	0
School Zones	16	0

Maintenance Activities

EQUIPMENT, LABOR & MATERIAL COSTS

Crack Sealing

Bridge Decks:	\$ 23,029.51
SR2:	\$ 156,135.76
County Roads:	\$120,034.54

Patching

Cold Patch:	\$ 194,312.55
Hot Patch Mix:	\$ 228,129.09

Guardrail	\$ 76,991.55
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Permits

RIGHT-OF-WAY USAGE

Concord Twp.	8
Leroy Twp.	5
Painesville Twp.	4
Perry Twp.	2
Madison Twp.	7
SR2	1
Total R/W Permits:	27

Overload Permits:	5
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Floodplain Permits:	3
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Sign Replacements

Type of Sign	Quantity
Stop Sign	40
Stop Ahead	27
Warning	100
Road Name	136
Other Regulatory	62

Reason	Quantity
Accident	35
Vandalism	25
Stolen	8
Normal Wear	297

Snow & Ice Operations

MATERIAL COSTS

Blackbrook

Untreated Salt:	2557.5 Tons @ \$30.43/Ton =	\$ 77,824.72
Cinders:	1817.5 Tons @ \$15.10/Ton =	\$ 27,444.25

SR2

Untreated Salt:	3757 Tons @ \$30.43/Ton =	\$114,325.51
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Madison

Untreated Salt:	785 Tons @ \$30.43/Ton =	\$ 23,887.55
Cinders:	502 Tons @ \$15.10/Ton =	\$ 7,580.20

2013 Revenue & Expenditures

Motor Vehicle License	\$ 3,288,989.40
Permissive Tax	\$ 349,050.82
Gasoline Tax	\$ 2,299,886.19
Additional License Tax	\$ 1,654,658.25
\$5.00 License Tax	\$ 774,240.53
Refunds, Reimbursements, and Grants	\$ 1,640,814.93
Miscellaneous Revenue, Interest, and Court Fines	\$ 207,841.08
Vrooman Transfers In	\$ 1,250,000.00
TOTAL REVENUE:	\$11,465,481.20

Payroll	\$3,731,538.95
Fringe Benefits	\$1,610,631.56
Fleet and Building Maintenance/Utilities	\$1,430,207.40
Other	\$58,762.34
Road & Bridge Materials	\$392,517.40
Capital Improvements, Contract Services, Equipment	\$4,710,031.25
TOTAL EXPENDITURES:	\$11,933,688.90



Lake County's First Modern Roundabout
Leroy Township, Ohio

2013 Completed Projects and Grants

Roundabout @ Vrooman, Huntoon, Leroy Center & SR86 in Leroy Township

Total cost: \$1,279,612.99.....**OPWC Funding: 60%**

Intersection Improvement

Started summer 2013; Completed fall 2013

Contractor: JTO, Inc.

St. Clair St. Bridge Removal over the Chagrin River bank restoration

Total cost: \$138,146.05.....**FHWA Funding: 80%**

Started summer 2013; Completed fall 2013

Contractor: Becdir Construction Company

Blasé-Nemeth Road widening/resurfacing from Bacon Rd. west to SR 535

Total cost: \$322,715.03.....**OPWC Funding: 48%**

Started spring 2013; Completed summer 2013

Contractor: Barbicus Construction, Inc.

Mountain Park Bridge, Drainage & Repaving

**From Hoose Rd. to SR 84 including Andrea, Allegheny, Blue Ridge and Lione Drives
in Concord Twp.**

Total cost: \$370,398.12.....**OPWC Funding: 40%**

Start spring 2013; Completed fall 2013

Contractor: Nerone & Sons, Inc.

Hermitage Road Emergency Culvert Replacement

Total cost: \$44,268.38.....**OPWC Funding: 80%**

August 2013

Project executed by: LCE

Morley Road Emergency sheet pile repair

Total cost: \$39,500.00.....**ODOT Funding Participation: TBD**

Start fall 2013; Completed fall 2013

Contractor: Huffman Equipment Rental & Contracting, Inc.