

**OFFICE OF
THE
LOGAN COUNTY
ENGINEER**

**2013 ANNUAL REPORT
2013-2014 ROAD REVIEW**

April 1, 2014



*Scott C. Coleman, P.E., P.S.
Logan County Engineer*



Bridge 174-0.56
over the Onion Ditch



McColly Covered Bridge 13-1.56
over the Great Miami River

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EMPLOYEES OF THE LOGAN COUNTY ENGINEER'S OFFICE		
County Engineer		
Scott C. Coleman, P.E., P.S.		
Engineering Department		
Michaela Brunke	Shirley Brunke	Greg Dappert
Bryan Dhume, P.E., P.S,	Curtis D. Dill, P.S.	Harvey Grimes
Art Harper	Michael Kerns	Sam Ragland
Bob Simmons	Denny Stryker	
Map Room		
Jayma Burkhammer	Jon Hines	Suzie Yoesting
Highway Department		
Matt Archer	Todd Bumgardner	Jeremy Burrey
Brad Carnes	Todd Coleman	Greg Kennaw
Jason McKee	Joel Miracle	John Spencer
Lisa Stover	TJ Yoder	
Ditch Department		
Chris Staffard	Mark Hilty	Kip Jenkins
Todd Wisse	Bryan LeVan	Greg Miller
Steve Tracey	Greg Swonguer	
Bridge Department		
Elliott Fullerton	Dan McMillen	Keith Price
Andrew Farris	Luke Jolliff	
Traffic Department		
Mark Dearwester	Mark Hilty	
Building Authority		
Becky Jolliff	Mike Reffitt	

Logan County Engineer's Office

April 1, 2014

To the Honorable Board of Logan County Commissioners and the Citizens of Logan County:

The following pages contain our Annual Report for 2013. On the back page, the reader will find a breakdown of the road miles, the number of bridges on our system, and the number of signs and culverts that we maintain. Also included in this report is what we accomplished in the year 2013, and what we plan to accomplish in 2014.

This year we resurfaced 23 miles of county highways, sealed 31 miles of county highways, replaced/rehabilitated 5 bridges, repainted 2 steel beam bridges, and replaced 56 culverts. We assisted the Township Trustees with the resurfacing of 8.4 miles of roads and chip-sealing another 16.9 miles.

Salt bids decreased this year from \$51.67/ton to \$47.09/ton; however, we anticipate that prices will go up significantly next year due to the salt supply shortage created by the harsh winter weather throughout the northern states. Due to dramatic increases in cost over the previous five years, we continued working to be more efficient and effective in how we utilize our labor and materials in clearing roadways of snow and ice. We have brine prewetting systems installed on all of our front line trucks to increase our available options for treating roadways. We have implemented the use of Beet Heet® sugar beet molasses for prewetting our salt at the spinner. This product increases our ability to melt ice at lower temperatures. Our overall snow and ice control costs increased 20% for calendar year 2013 over 2012 and were about \$80,000 above our average winter costs.

We thank the citizens of Logan County for their continued support of the 1/2% sales tax which allowed us to continue upgrading our transportation infrastructure. Sales tax revenue increased by 10 percent in 2013 and surpassed all previous years. Motor vehicle fuel tax revenue increased 0.4 percent and automobile registration fees decreased 0.6 percent in 2013. The Logan County Engineer's Office has been aggressively seeking grant funds to supplement our regular funding and sales tax funding. In 2013, we received a total of \$940,165 in grant funds and \$77,019 in loan funds. The grants funded sign upgrades, county paving, bridge 21-1.00 design fees, TR 33 widening, and bridge load ratings.

The 1/2% sales tax for roads and bridges generated \$2,996,234.85 in 2013. The County portion totaled \$1,797,740.93 and the Township portion totaled \$479,397.57. Total sales tax expenditures were \$1,455,043.64 for County projects and \$407,116.96 for Township projects. The County Engineer's Office expended \$3,124.51 in 2013 to develop, administer and perform inspections for the Township paving and chip-sealing. We expended an additional \$1,637.72 in 2013 to develop, administer and perform inspections for the TR 33 widening project.

The State of Ohio began talking about shared services in the last few years to reduce costs and improve efficiencies throughout the state. At the Logan County Engineer's Office, we have been implementing shared services for many years and continue to expand them. We have performed roadside mowing, roadside spraying, sign inspections, painting railroad crossing warnings, setting back mailboxes, roadside ditching, boom mowing of roadside vegetation, small paving projects, roadway shoulder stabilization, and culvert replacements for a few townships and villages. This is a mutually beneficial process where we can save the townships some money and offset some of our labor and equipment costs. We also work with the City of Bellefontaine, villages, townships, County Commissioners, and ODOT for shared material storage.

We would like to thank our Ohio legislators for placing the Ohio Public Works Commission bond renewal on the May 6 ballot. Voters will have the opportunity to decide whether to approve Issue 1, renewal of the State Capital Improvements Program which has helped local communities all over Ohio complete 11,500 road, bridge, sewer and other infrastructure projects over the last 27 years. Here in Logan County we receive approximately \$670,000 of grants annually from the State Capital Improvements Program for county, township, city, and village projects. I encourage you to vote yes for Issue 1 on May 6.

When you speak with your State Representative or Senator, please thank them for placing the State Capital Improvements Program renewal on the ballot and urge them to restore the local government funding levels.

Sincerely,

Scott C. Coleman, P.E., P.S.
Logan County Engineer

The Condition of Our Highway System

Our crews worked diligently to quickly clear snow and ice during the many events that we experienced this winter. This extended and extremely cold winter presented challenges for everyone. Through March we have continued to see very cold temperatures. We have seen areas of frost heaving (rising) and pavement cracking due to the cold winter. Overall, our county roads have performed well through this winter, but there will be extensive crack sealing work and durapatching required through the construction season. In order to preserve our new pavements as long as possible, we must seal them as soon as we can after resurfacing. This year we will again be able to seal the new resurfacing within weeks after the roads are paved. Results over the past two years indicate that this process has been very cost effective and improves pavement performance.

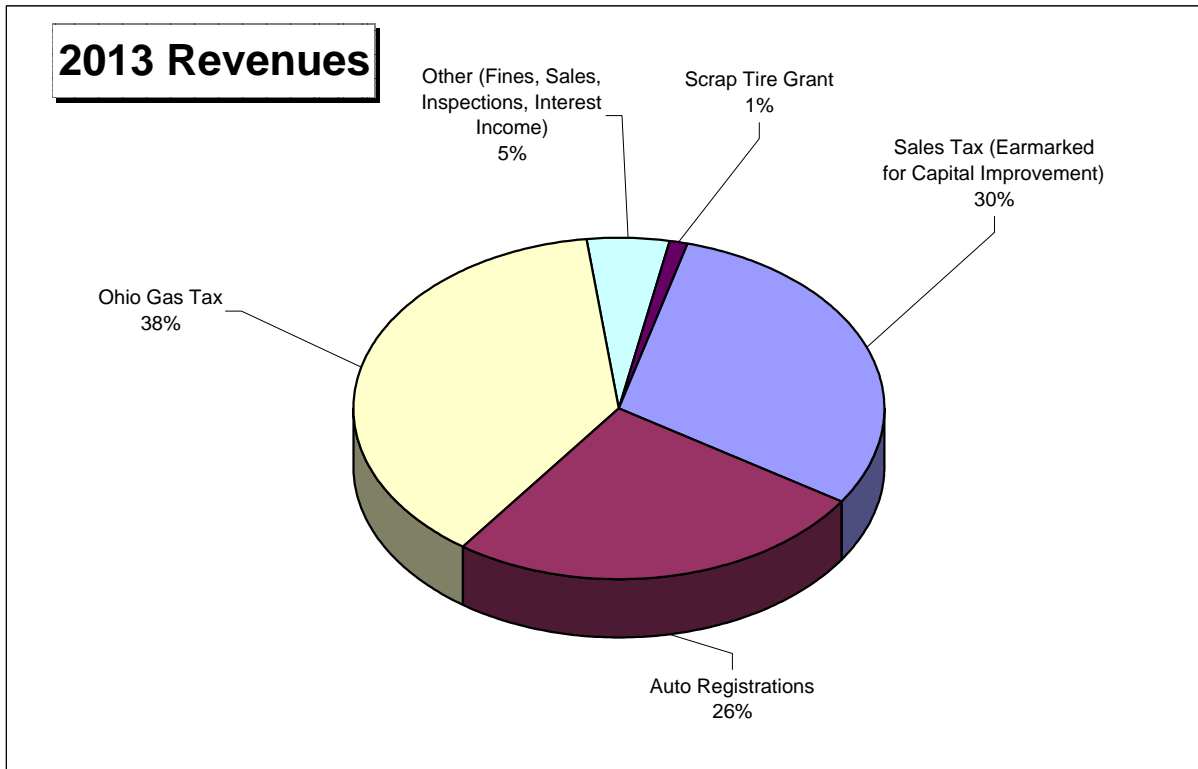
We plan to resurface over 23 miles of roads this year and plan to seal about 32 miles. We have completed the surface course of paving on all county roads and will begin building thickness and strength with this year's resurfacing program. From 2003 through 2005, we placed only the intermediate course of pavement on many of the roads that were resurfaced. This process allowed us to repair more miles of very poor pavements each year than we could have if we had applied both courses at the same time. Since 2001 (inclusive), we have repaved over 421 centerline miles on the county highway system. We will also continue our crack sealing program to extend the service life of the roads in the county.

We continue to make strides with our bridge program. With the replacement/rehabilitation of 5 bridges in 2013, we are continuing to upgrade our overall bridge conditions. We have one bridge that has a weight restriction affecting school buses and this structure will be upgraded in 2015 with a federal grant. We are excited to report that 2014 is the sixth year in a row that we have entered the year with no bridges that are closed to traffic other than bridges under construction. This has been a goal of the Logan County Engineer's Office for many years and we are very proud to have achieved this goal for the benefit of the traveling public.

There are 7 bridges with posted load restrictions. Nineteen bridges are rated a 5 or less and many of the older structures continue to deteriorate as we replace others. Since 2001 (inclusive), we have replaced or performed extensive rehabilitation on 103 structures. Bridge material costs have increased significantly over the last several years. In 2001, we were estimating replacement costs at \$48.00 per square foot of deck area, now we must use at least \$135 per square foot for estimating our bridge program.

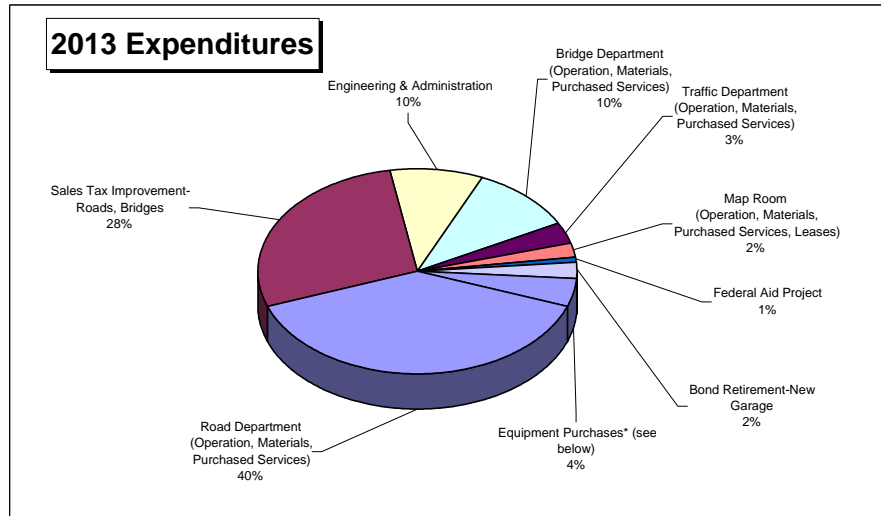
Since the force account limits for projects that we can construct with our own staff were increased in 2003, construction material costs have increased between 44 and 220 percent. We must encourage the state legislature to increase the force account limits for roads and bridges so that we can continue to save the taxpayers' money by constructing road and bridge projects with our own crews. The current force account limits are \$100,000 per bridge and \$30,000 per mile for road construction. Considering the increased construction costs and the fact that there is some debate over the interpretation of the force account legislation, these limits need to be increased to \$300,000 and \$90,000, respectively, with an annual inflation factor.

2013 Revenues		
Sales Tax (Earmarked for Capital Improvement)	29.7%	\$ 1,797,740.93
Auto Registrations	25.7%	\$ 1,556,005.08
Ohio Gas Tax	37.9%	\$ 2,299,886.19
Other (Fines, Sales, Inspections, Interest Income)	4.7%	\$ 287,432.87
Scrap Tire Grant	1.2%	\$ 74,867.34
FEMA	0.2%	\$ 12,602.00
Ohio BWC Refund	0.2%	\$ 14,605.29
CORSA - Insurance Reimbursement	0.2%	\$ 10,070.00
Belle Center Amish Church Community - Voluntary Contribution	0.1%	\$ 4,605.00
General Fund	0.1%	\$ 4,510.89
Total		\$ 6,062,325.59



2013 Sales Tax	
County Carryover from 2012	\$ 301,105.65
Township Carryover from 2012	\$ 330,955.08
Income - County 2013	\$ 1,797,740.93
Income - Township 2013	\$ 479,397.57
Expenditures	
Township Sales Tax Resurfacing Program and Chip/Seal	\$ 407,116.96
County Sales Tax Resurfacing Program (including culverts)	
County OPWC Resurfacing Program, local share	
Rejuvenating Sealer	
Bridge 174-0.56 Replacement	
Bridge 105-0.80 Replacement	
Bridge 5-19.44 Replacement	
Bridge 51-4.82 Replacement	\$ 1,455,043.64
2013 County Carryover	\$ 643,802.94
2013 Township Carryover	\$ 403,235.69
Total Carryover	\$ 1,047,038.63

2013 Expenditures		
Road Department (Operation, Materials, Purchased Services)	38.5%	\$2,600,479.71
Sales Tax Improvement-Roads, Bridges	27.5%	\$ 1,862,160.60
Engineering & Administration	9.5%	\$644,775.16
Bridge Department (Operation, Materials, Purchased Services)	10.4%	\$702,209.16
Traffic Department (Operation, Materials, Purchased Services)	3.2%	\$ 217,994.00
Map Room (Operation, Materials, Purchased Services, Leases)	2.3%	\$152,418.47
Federal Aid Project	1.0%	\$66,931.10
Bond Retirement-New Garage	2.4%	\$ 164,510.89
Equipment Purchases* (see below)	4.3%	\$ 293,034.79
Capital Improvements	0.9%	\$ 57,982.98
Total		\$ 6,762,496.86



*Major Equipment Purchased in 2013	
Auto Cad Upgrade	\$6,036.69
Battery Pack	\$ 59.20
Computer and Monitor	\$ 888.67
New Furnace - Office	\$ 2,051.00
Office Chairs (3)	\$ 472.50
Auto Cad Maproom	\$ 4,024.46
Monitor and Printer Maproom	\$ 298.43
JD Rotary Cutter Ditch	\$ 15,262.22
Cab and Chassis	\$ 95,154.00
JD 115 Utility Tractor	\$ 56,719.54
2013 3/4 ton Crew Cab	\$ 24,320.00
Tool Box for 2013 3/4 ton Crew Cab	\$ 224.99
Remount Old Bed and Hydraulic System	\$ 16,550.00
Sander and Snowplow	\$ 14,241.00
2012 Traffic Cadd Pro	\$ 1,995.00
Used 5th Wheel	\$ 523.53
Mobile Radio	\$ 995.00
Socket Set	\$ 259.99
Impact Tool	\$ 459.00
Torque Extension	\$ 398.56
Air Compressor - Mechanic	\$ 2,030.12
Used Bucket Truck	\$ 41,214.01
Plotter and Design Pro - Sign Department	\$ 3,563.00
6 liquid storage tanks	\$ 1,290.11
Fittings	\$ 317.84
Pre-Wet Systems	\$ 911.34
Angle Iron	\$ 891.39
70 Gal. Liquid square storage tank	\$ 164.00
Pump	\$ 408.20
Used Hydraulic Hose Machine	\$ 1,001.00
16" stihl chain saw	\$ 310.00
Total	\$ 293,034.79

2013 ROAD PROGRAM

The Highway Department is responsible for all Force Account projects (non-contract work performed by County Engineer employees), snow and ice control, berm repair, pavement patching, washout repairs, guardrail repair, mowing, and other general/seasonal maintenance of county roads and bridges. This department also works closely with the townships on various maintenance needs on their own road systems. The Highway Department was extremely busy in 2013, working ahead for the 2014 road program, in addition to their normal maintenance duties. The costs listed include labor (based on hourly wages of workers and all benefits), amortized equipment, and materials (asphalt and berming stone).

Review of Miscellaneous 2013 Expenses				
	Labor	Amortized Equipment	Materials and Contractor Work	Total
Mowing	\$ 48,973.22	\$ 68,145.05	\$ -	\$ 117,118.27
Roadside Spraying	\$ 5,227.79	\$ 2,314.60	\$ 11,969.06	\$ 19,511.45
Hand Patching	\$ 1,492.14	\$ 208.67	\$ 124.09	\$ 1,824.90
Durapatching	\$ 14,403.59	\$ 17,552.41	\$ 12,186.98	\$ 44,142.98
Crack Sealing	\$ 42,453.91	\$ 2,871.66	\$ 51,401.88	\$ 96,727.45
Tree & Brush Removal	\$ 54,486.83	\$ 32,260.10	\$ 70.01	\$ 86,816.94
Culvert Repair & Replacement (not related to resurfacing)	\$ 40,760.93	\$ 29,472.67	\$ 42,950.83	\$ 113,184.43
Sign Repair	\$ 1,381.13	\$ 508.61	\$ 676.60	\$ 2,566.34
Sign Repair (Vandalism)	\$ 3,701.01	\$ 1,521.52	\$ 5,544.57	\$ 10,767.10
Sign Replacement	\$ 9,429.24	\$ 1,920.38	\$ 27,083.67	\$ 38,433.29
Snow and Ice Control	\$ 106,469.33	\$ 109,303.89	\$ 221,863.11	\$ 437,636.33

2013 County Paving Program Completed			
ROAD #	Begins	Ends	Total Cost
CR 5	SR 47	CR 50	\$ 639,977.63
CR 158	SR 559	SR 287	\$ 156,936.98
CR 47	SR 245	TR 174	\$ 328,128.66
CR 57	CR 130	US 33	\$ 47,907.99
Grand Total			\$ 1,172,951.26
2013 County OPWC Paving Program Completed			
ROAD #	Begins	Ends	Total Cost
CR 12	SR 292	SR 47	\$ 128,170.44
CR 44	TR 160	CR 277	\$ 178,482.95
CR 13	SR 235	CR 130	\$ 572,143.47
Grand Total			\$ 878,796.86

2013 County Chip and Seal Program Completed

Road	Begins	Ends	Labor	Equipment	Materials	Total	
38	CR 254 W	SR 117	\$ 1,311.44	\$ 919.25	\$ 13,537.30	\$ 15,767.99	
96	CR 38 S. / TR 38 N.	SR 117	\$ 4,099.97	\$ 2,764.10	\$ 40,745.43	\$ 47,609.50	
96	SR 117	Penn Central RR					
96	Penn Central RR	CR 97 New Richland	\$ 3,465.36	\$ 1,925.02	\$ 24,085.51	\$ 29,475.89	
91	TR 46 N	TR 46 S					
91	TR 46 S	Penn Central RR	\$ 1,010.90	\$ 743.12	\$ 5,291.05	\$ 7,045.07	
91	Penn Central RR	CR 130 End					
255	SR 235	SR 235	\$ 1,248.31	\$ 897.44	\$ 8,008.91	\$ 10,154.66	
65	Logan/Champaign Co. Line	TR 295 E					
65	TR 295 E	TR 295 W	\$ 1,362.65	\$ 1,089.60	\$ 18,037.81	\$ 20,490.06	
65	TR 295 W	SR 508 S. Corp. DeGraff					
66	Logan/Champaign Co. Line	TR 295 E	\$ 7,613.72	\$ 6,268.40	\$ 84,209.94	\$ 98,092.06	
66	TR 295 E	TR 71 E					
66	TR 71 E	East Corp. Line Quincy					
1	SR 245 & SR 287	CR 47	\$ 4,294.53	\$ 3,168.16	\$ 43,518.88	\$ 50,981.57	
1	CR 47	CR 5					
1	CR 5	TR 30					
1	TR 30	TR 190					
1	TR 190	TR 55					
1	TR 55	TR 199					
1	TR 199	CR 29					
1	CR 29	Dorothy Lane Right					
1	Dorothy Lane Right	TR 181 E					
1	TR 181 E	Bellef. Corp. Change City					
11	CR 31S / TR 31 N	TR 46	\$ 3,240.43	\$ 2,296.01	\$ 25,632.66	\$ 31,169.10	
11	TR 46	TR 201 N					
11	TR 201 N	TR 198 S					
11	TR 198 S	TR 204 S					
11	TR 204 S	TR 32					
105	CR 39 New Richland	CR 49	\$ 706.63	\$ 321.32	\$ 2,258.01	\$ 3,285.96	
105	CR 49	Entrance to Northwood					
105	Entrance to Northwood	CR 106 Northwood	\$ 9,557.63	\$ 6,823.25	\$ 88,714.94	\$ 105,095.82	
259	CR 97 New Richland	CR 39 New Richland					
9	SR 47	SR 47 Suspend					
9	SR 47 Resume	TR 219 W					
9	TR 219 W	TR 57					
9	TR 57	CR 25					
9	CR 25	TR 223 E					
9	TR 223 E	CR 118 E					
9	CR 118 E	Penn Central RR	\$ 338.10	\$ 150.86	\$ 2,293.13	\$ 2,782.09	
9	Penn Central RR	S. Corp. Line Rushsylvania					
97	CR 39 New Richland	CR 259 E	\$ 1,834.64	\$ 1,360.10	\$ 13,770.40	\$ 16,965.14	
97	CR 259 E	CR 96 W					
21	CR 24 Pleasant Twp.	CR 77 W	\$ 1,834.64	\$ 1,360.10	\$ 13,770.40	\$ 16,965.14	
21	CR 77 W	TR 78 W					
21	TR 78 W	CR 58					
21	CR 58	CR 59 W & TR 59 E	\$ 338.10	\$ 150.86	\$ 2,293.13	\$ 2,782.09	
21	CR 60 Bloomcenter	TR 80					
21	TR 80	SR 274	Total Chip & Seal Program				\$ 438,914.91

2014 TENTATIVE ROAD PROGRAM

We have reviewed each road on the program for needed culvert replacements, bridge replacements and/or repairs, drainage problems, etc. As of March 1, 2014, the proposed resurfacing and chip-seal programs for the County are as follows:

2014 Proposed County Resurfacing Program					
Road #	Begins	Ends	Road #	Begins	Ends
68	CR 3 / Co. Line	SR 706	275	CR 87	Closed Bridge
73	Logan-Shelby Co. Line	CR 34	55	CR 29	CR 10
74	CR 23	CR 34 North End	10	East Corp. Line Zanesfield	SR 292 East Liberty
82	CR 83 South	West Corp. Line Lakeview	25	CR 5	SR 274
83	SR 720	CR 82 East	26	CR 5	SR 292

Note: Some sections of roads may be non-performed in order to stay within budget.

2014 PROPOSED COUNTY CHIP SEAL PROGRAM					
Road #	Begins	Ends	Road #	Begins	Ends
11	E. Corp. DeGraff	TR 45 East	57	TR 56 South	CR 49 North
11	TR 45 East	CR 43 East	57	CR 49 North	US 68
11	CR 43 East	TR 43 West	57	Conrail	CR 9
91	CR 54 Lewistown	TR 33 South	62	Champaign-Logan Co. Line	Leave Twp. Line
91	TR 33 South	TR 31 South	62	Leave Twp. Line	TR 295 West
91	TR 31 South	TR 31 North	62	TR 295 West	SR 508
91	TR 31 North	TR 46 North	117	CR 142 South	TR 138 North
18	SR 508 & TR 18	TR 30	117	TR 138 North	TR 138 South
18	TR 30	TR 45 West	117	TR 138 South	Union County Line
29	CR 1	TR 179 North	117	SR 292	CR 142 South
29	TR 179 North	TR 55	121	SR 292 & CR 40 Ridgeway	Penn Central RR
29	TR 55	CR 5	121	Penn Central RR	TR 138
30	CR 31 South	CR 31 North	121	TR 138	Logan-Union Co. Line
31	Logan-Champaign Co. Line	SR 508	202	Champaign-Logan Co. Line	SR 508
31	SR 508	TR 30	5	CR 25	CR 2
31	TR 30	TR 45	5	CR 2	SR 540
31	TR 45	CR 43	15	CR 44	SR 287 & CR 41
31	CR 43	CR 11	44	CR 15	TR 160 Southeast
57	US 33	East Bell Drive	50	CR 12 South	CR 12 North
57	East Bell Drive	TR 56 North	102	CR 103 East	Logan-Hardin Co. Line
57	TR 56 North	TR 56 South			

Note: Some sections of roads may be non-performed in order to stay within budget.

2013 BRIDGE PROGRAM

Our bridge crew had a great year as they completed many projects, and a major one of these projects was finishing Ohio's first 100% recycled thermoplastic bridge. In addition to this, they were busy repairing and replacing other bridges and culverts while working on snow and ice control. This means the Bridge Crew had to be able to proficiently switch from a bridge project to snow and ice control and back again.

County Road 43-2.85 (Union Twp.) Bridge Replacement
Township Road 56-2.99 (Harrison Twp.) Concrete Slab Rehabilitation
County Road 105-0.80 (Richland Twp.) Bridge Replacement
County Road 65-1.85 (Miami Twp.) Bridge Replacement
County Road 5-19.44 (Rushcreek Twp.) Bridge Replacement
Township Road 178-0.46 (Monroe Twp.) Paint Steel Beams
Township Road 109-0.05 (McArthur Twp.) Repair Beam Ends

2014 TENTATIVE BRIDGE PROGRAM

In the 2001 renewal of the sales tax for roads and bridges, the priority was based on condition. Therefore, the 2014 Bridge Program continues the commitment of prioritizing bridge replacements based on condition. The County infrastructure will be re-evaluated periodically and changes to this program are likely to occur in order to achieve our commitment to repair or replace the structures and highways in the worst condition first. As of January 10, 2014, the proposed Bridge Program is as follows:

Township Road 51-4.82 (Rushcreek Twp.) Bridge Replacement
County Road 34-4.78 (Pleasant Twp.) Bridge Replacement
County Road 40-3.11 (Bokescreek Twp.) Bridge Replacement
Township Road 209-0.18 (Pleasant Twp.) Clean and Paint Steel Beams
County Road 2-0.89 (Jefferson Twp.) Bridge Replacement
County Road 24-4.58 (Washington Twp.) Superstructure Replacement
Township Road 32-5.39 (Liberty Twp.) Clean and Paint Steel Beams
Township Road 95-2.25 (Richland Twp.) Clean and Paint Steel Beams
Township Road 160-1.41 (Zane Twp.) Bridge Replacement

ADMINISTRATIVE STAFF SUPPORT

This department manages the overall office functions and budget of the Engineer's Office. Since the cost for construction, materials, and equipment are increasing faster than local revenues, the utilization of alternate funding sources is critical to the office. As such, the department administers the Ohio Public Works Commission's State Capital Improvement Program (SCIP) and the Local Transportation Improvement Program (LTIP) for Logan County. The allocation and accounting of these annual funding sources are a significant function of the Engineer's office.

Other responsibilities of the administrative and support staff are human resources, payroll, purchasing requisitions, billing, word processing, contract administration and cost-tracking. Utilizing our cost-tracking system, all of the costs for the Engineer's Office are logged including the costs for surveying, engineering, administration, road work and construction of bridges. Equipment costs are amortized, while the labor costs include all fringes and benefits. In addition to all of the aforementioned accounting functions, this department also handles daily calls from the public and addresses the questions/problems directly or forwards them to the appropriate person.

DESIGN/ENGINEERING

This department performs the engineering design for approximately 95% of the construction projects and directs specialized consultants for the engineering design of the remaining projects. Most of the staff design is done with a Computer Aided Design and Drafting (CADD) system. This department also oversees much of the administrative responsibilities.

TRAFFIC DEPARTMENT

The Traffic Department is responsible for the maintenance of all road signs on county roads and bridge signs on township roads. Road signs now number 6,567. The maintenance of these signs includes installation, preservation and inspection. As part of the inspection process, we look for reflectivity, wind damage, vandalism and overall visibility. Repairing mailboxes damaged during snow removal operations is another part of the Traffic Department's responsibilities along with signing for road closure detours. The Routemarkers' main duty is to keep traffic moving safely and to keep the traveling public informed.

COURTHOUSE DUTIES

It is the responsibility of the Map Room to maintain all of the county tax maps providing the County Auditor with an accurate tax base for each parcel. This includes creating new property splits, assigning new parcel numbers and adjusting property lines and acreages as reflected from new surveys. Both digital and shape file updates are performed regularly to keep the maps as current as possible. Along with these duties, the Map Room assists the various needs of surveyors, attorneys, realtors, other governmental agencies and the public, assigns and maintains the house numbering system for the unincorporated areas of the county, reviews new surveys & approves descriptions on legal documents.

In 2013, the Map Room staff checked legal descriptions on 2,574 real estate documents. There were 67 Certificates of Transfer, 2,032 deeds, 57 easements and 71 land contracts. Additionally, 2 condominium plats and declarations were approved and recorded. New property splits totaled 89 for the year with 59 documents being new surveys.

Surveyors submitted 301 new legal descriptions that were reviewed, approved, scanned and filed by the Map Room personnel. In addition, 25 new house numbers were established in 2013.

The records of the Map Room can be found on the Logan County Engineer's Office website at www.co.logan.oh.us/engineer/index.html.

BUILDING AUTHORITY

Most things remained consistent with last year. Revenue was again higher than expenses. Both expenditures and revenue were up slightly from 2012 with a significant increase in revenue coming from contractor registration (+26%).

Revenue			
	2013	2012	% of Change
Permit Revenue	\$ 97,400.00	\$ 99,250.00	-1.9%
Contractor Registrations	\$ 17,000.00	\$ 13,450.00	26.4%
Reinspect Fees	\$ 600.00	\$ 550.00	9.1%
Application Fees	\$ 11,325.00	\$ 9,475.00	19.5%
Additional Permit Fees	\$ 2,150.00	\$ 0.00	100.0%
Miscellaneous	\$ 75.48	\$ 50.00	51.0%
State Assessment Fee 1%	\$ 1,074.50	\$ 1,070.75	0.4%
Total Revenue	\$ 129,624.98	\$ 123,845.75	4.7%

Expenditures			
	2013	2012	% of Change
Total Salaries	\$ 69,698.78	\$ 64,719.94	7.7%
PERS, W/C & Medicare	\$ 11,215.08	\$ 10,006.72	12.1%
Supplies	\$ 1,113.35	\$ 1,394.16	-20.1%
Contract Services	\$ 9,985.08	\$ 10,179.37	-1.9%
Contract Repair	\$ 2,834.92	\$ 3,641.79	-22.2%
Equipment Lease	\$ 2,790.29	\$ 2,791.16	0.0%
Contract Training	\$ 1,621.04	\$ 3,349.10	-51.6%
Other Expenses	\$ 124.80	\$ 244.80	-49.0%
State Administrative Fee 1%	\$ 1,075.00	\$ 1,070.75	0.4%
Equipment	\$ 0.00	\$ 1,663.84	100%
Total Expenditures	\$ 100,458.34	\$ 99,061.63	1.4%

Permits Issued			
	2013	2012	% of Change
Total of New Homes	53	53	0.0%
Total of New Mfg. Homes (piers only)	7	5	40.0%
Total of "Other" Permits	390	316	23.4%
Total All New Dwellings	60	58	3.4%
Total Flood Plain Permits	2	2	0.0%
Total of All Permits	452	376	20.2%

Inspections			
	2013	2012	% of Change
Building/Structural	651	725	-10.2%
Electrical Inspections	524	495	5.9%
HVAC Inspections	185	118	56.8%
Special	1	1	100%
Total Inspections*	1,361	1,339	1.6%

* Includes Re-inspections

Home Valuation			
	2013	2012	% of Change
New Construction Valuation	\$ 14,442,426	\$ 14,589,647	-1.0%
Total for New Homes	\$ 9,643,579	\$ 9,115,950	5.8%
Total for all Mfg. Homes (piers only)	\$ 50,000	\$ 107,000	-53.3%
Total for all "Other" Permits	\$ 4,748,847	\$ 5,366,297	-11.5%
Avg. Valuation Per Home	\$ 175,338	\$ 171,999	1.9%

MOTOR VEHICLE REGISTRATIONS

Vehicle registration fees are a significant source of revenue for the Engineer's Office.

2013 Logan County, Ohio Motor Vehicles Registrations			
	2013	2012	2011
Type of Registration	# of Units	# of Units	# of Units
Passenger Cars	34,749	34,175	33,339
Motor Homes	311	319	326
Motorcycles	2,647	2,658	2,613
House Vehicles	842	802	795
Mopeds	15	16	29
Non-Commercial Trailers	5,417	5,419	5,188
Non-Commercial Trucks	10,687	10,563	10,550
Farm Truck	373	372	366
Buses	44	49	50
Commercial Trailers	1,819	1,770	1,770
Non IRP Trucks (Intl. Reg. Plan)	1,800	1,741	1,759
IRP Trucks (Intl. Reg. Plan)	160	126	123
Total Vehicle Registrations in 2013	58,864	58,010	56,908

SOURCE: State of Ohio, Bureau of Motor Vehicles

The Office of the Logan County Engineer

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Phone (937) 592-2791

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EXECUTIVE SUMMARY

369.733 Miles of County Road

As of 12/31/13

299 Bridges

7 Have Load Reductions Posted

4 Have a Sufficiency Rating Less Than 50%

6,567 Traffic Signs

1,638 Culverts

Excellent/Good Condition - 1,473

Fair/Poor/Unknown Condition - 165