

**OFFICE OF THE
LOGAN COUNTY ENGINEER**

**2015 ANNUAL REPORT
2015-2016 ROAD REVIEW**

April 1, 2016



*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	Todd Bumgardner
Donna Dahlke	Greg Dappert	Curtis D. Dill, P.S.
Cale Jacobs, P.E.	Michael Kerns	Bob Simmons
Map Room		
Jayma Burkhammer		Suzie Yoesting
Highway Department		
Matt Archer	Jeremy Burrey	Richard Campbell
Brad Carnes	Mark Hilty	Greg Kennaw
Bryan LeVan	Joel Miracle	John Spencer
Lisa Stover	Derek Thurman	Todd Wise
TJ Yoder		
Ditch Department		
Todd Coleman	Chris Hackley	Kip Jenkins
Jason McKee	Greg Miller	Greg Swonguer
Steve Tracey		
Bridge Department		
Elliott Fullerton	Dan McMillen	Keith Price
Andrew Farris	Luke Jolliff	
Traffic Department		
Mark Dearwester	Steve Tracey	

Logan County Engineer's Office

April 1, 2016

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

The following pages contain our Annual Report for 2015. 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 2015, and what we plan to accomplish in 2016.

This year we resurfaced 21 miles of county highways, chip-sealed 29.5 miles of county highways, replaced/rehabilitated 7 bridges and 5 large culverts, repainted 1 steel truss bridge, performed maintenance on 3 structures, and replaced 22 culverts. We assisted the Township Trustees with the resurfacing of 20 miles of roads and chip-sealing another 22.8 miles.

Salt bid prices increased again this year from \$47.09 per ton two years ago to \$76.24 per ton for the summer fill-up and winter supply. Due to dramatic increases in cost in the previous years, we have become 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 decreased 8% for calendar year 2015 over 2014 and were about \$76,000 above our average winter costs of \$ 369,000.

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 about 2% in 2015. Motor vehicle fuel tax revenue increased by 0.9% and automobile registration fees increased by 1.7% in 2015. The Logan County Engineer's Office has been aggressively seeking grant funds to supplement our regular funding and sales tax funding. In 2015, we received a total of \$2,424,525.36 in grant funds. The grants funded sign upgrades, county paving, guardrail replacement, pavement markings, McColly covered bridge rehabilitation, safety study, and the SR 347/Honda turn lane improvements.

The 1/2% sales tax for roads and bridges generated \$3,069,617.66 in 2015. The County portion totaled \$1,841,770.63 and the Township portion totaled \$491,138.83. The total municipal sales tax collections were \$491,138.80 and is shared among Bellefontaine and the villages based on population. Total sales tax expenditures were \$1,583,053.25 for County projects and \$400,982.33 for Township projects. The County Engineer's Office expended \$10,252.38 in 2015 to develop, administer and perform inspections for the township paving and chip-sealing, and village paving.

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, township sign replacement, painting railroad crossing warnings, setting back mailboxes, roadside ditching, boom mowing of roadside vegetation, small paving projects, small chip seal 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 and villages money and offset some of our labor and equipment costs. We work with the City of Bellefontaine, villages, townships, County Commissioners, adjacent counties, and ODOT for shared services.

We have been working with our state legislators for the past several years to develop a long term funding source for Ohio's local roads and bridges. In Logan County, we have been very fortunate that the people of our community have agreed to invest in our local infrastructure in the form of the sales tax for roads and bridges. As shown above, this sales tax generates about three million dollars annually for the county, township, and municipal road and bridge system. This is a shortfall in state funding that many counties in Ohio cannot make up. Please encourage our Ohio Representatives and Senators that it is the responsibility of the State Legislature to provide adequate highway infrastructure funding for local jurisdictions. This can be accomplished with appropriate user fees, such as; commercial activity tax from motor vehicle fuel sales, vehicle fuel tax, vehicle miles traveled fees, vehicle registration fees or sharing existing state highway funding.

Sincerely,

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

The Condition of Our Highway System

We have all been very happy to have a mild winter with very few snow and ice events this season. Temperatures have been moderate and have allowed us to complete a lot of maintenance and brush removal through the winter. This past year, we have seen several roads that were damaged by heavy vehicles travelling during times of thaw and saturation in the spring. We encourage our residents and neighbors to try to reduce loads or delay hauling operations during the wettest weeks of the year (generally March through May). Overall, our county roads are showing few signs of damage through this winter.

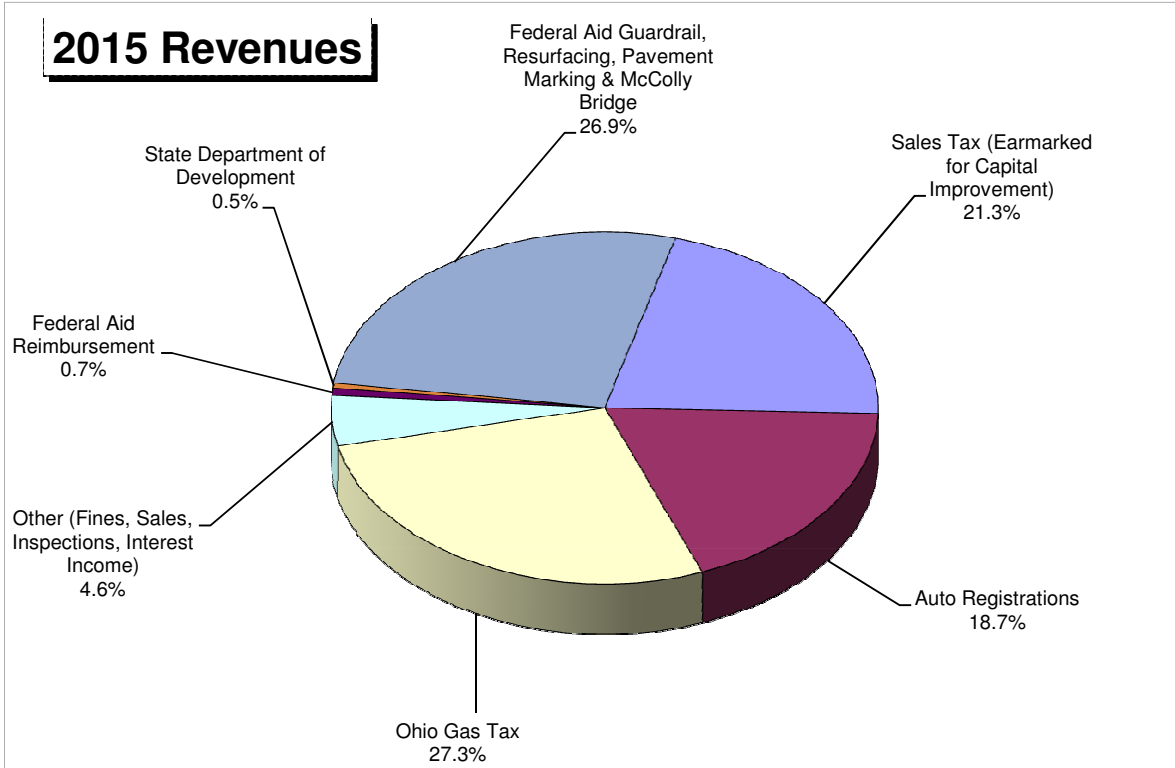
We plan to resurface over 12.7 miles of roads this year and plan to seal approximately 57 miles. In order to preserve our new pavements as long as possible, we must seal them as soon as we can after resurfacing. This year we will again be able to seal the new resurfacing within weeks after the roads are paved. Results over the past few years indicate that this process has been very cost effective and improves pavement performance. We have completed the surface course of paving on all county roads and will continue building thickness and strength with this years 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 462 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 7 bridges in 2015, 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 replaced in 2020 with a federal grant. We are excited to report that 2015 is the eighth year in a row that we have entered the year with no bridges that are closed to traffic. 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 10 bridges with posted load restrictions. Fourteen 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 rehabilitation on 121 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 \$189 per square foot for estimating our bridge program.

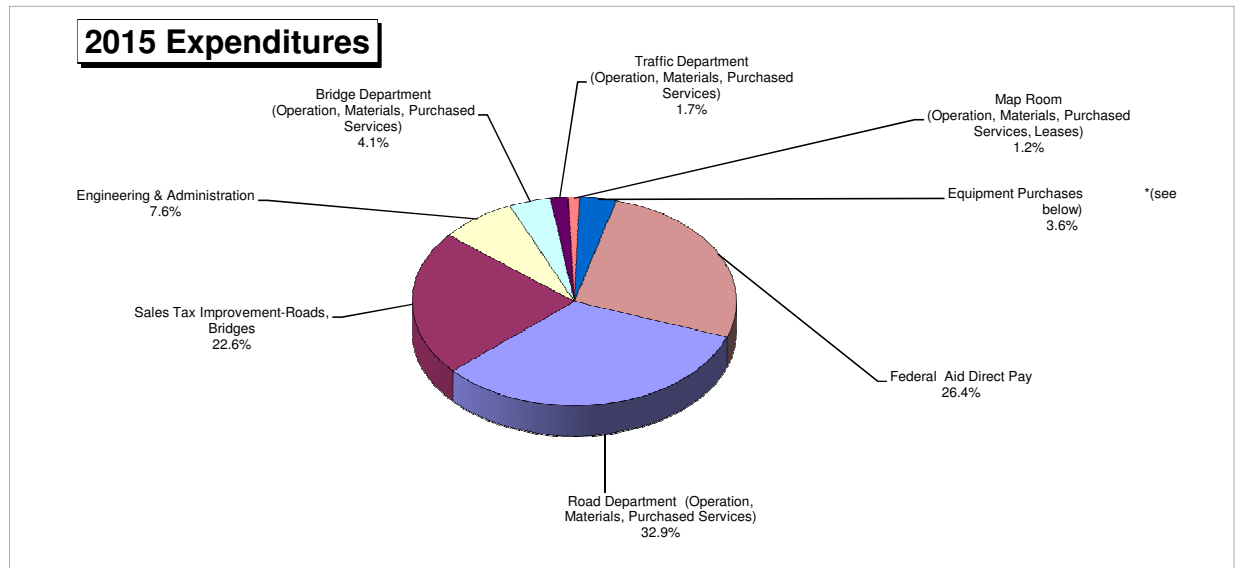
Since the force account limits for projects that we can construct with our own staff were increased in 2003, construction material costs have increased between 44 and 220 percent. We must encourage the state legislature to increase the force account limits for roads and bridges so that we can continue 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.

2015 Revenues		
Sales Tax (Earmarked for Capital Improvement)	21.3%	\$ 1,841,770.63
Auto Registrations	18.7%	\$ 1,615,190.44
Ohio Gas Tax	27.3%	\$ 2,356,712.91
Other (Fines, Sales, Inspections, Interest Income)	4.6%	\$ 398,623.00
Federal Aid Reimbursement	0.7%	\$ 61,544.46
State Department of Development/Honda of America	0.5%	\$ 39,355.00
Federal Aid Guardrail, Resurfacing, Pavement Marking & McColly Bridge	26.9%	\$ 2,323,625.90
Belle Center Amish Church Community - Voluntary Contribution	0.1%	\$ 4,695.00
County General Fund	0.0%	\$ 3,200.00
Total		\$ 8,644,717.34



2015 Sales Tax	
County Carryover from 2014	\$ 459,286.81
Township Carryover from 2014	\$ 319,224.39
Income - County 2015	\$ 1,841,770.63
Income - Township 2015	\$ 491,138.83
Expenditures	
Township Sales Tax Resurfacing Program and Chip/Seal	\$ 400,982.33
County Sales Tax Resurfacing Program (including culverts)	
Rejuvenating Sealer	
Bridge 2-0.89 Replacement	
Bridge 160-1.41 Replacement	
Bridge 2-7.20 Replacement	
Bridge 38-0.29 Replacement	\$ 1,583,053.25
2015 County Carryover	\$ 718,004.19
2015 Township Carryover	\$ 409,380.89
Total Carryover	\$ 1,127,385.08

2015 Expenditures		
Road Department (Operation, Materials, Purchased Services)	32.9%	\$2,890,238.02
Sales Tax Improvement-Roads, Bridges	22.6%	\$ 1,984,035.58
Engineering & Administration	7.6%	\$664,560.10
Bridge Department (Operation, Materials, Purchased Services)	4.1%	\$363,925.36
Traffic Department (Operation, Materials, Purchased Services)	1.7%	\$ 151,343.74
Map Room (Operation, Materials, Purchased Services, Leases)	1.2%	\$101,741.78
Equipment Purchases* (see below)	3.6%	\$ 317,851.57
Federal Aid Direct Pay	26.4%	\$ 2,323,625.90
Total		\$8,797,322.05



*Major Equipment Purchased in 2015	
Network Attached Storage (backup network drive)	\$ 1,094.96
Linskey Fiber Converter for linking Unit 3 to network	\$ 200.56
Refrigerator - Office	\$ 454.10
Computer - Survey Department	\$ 372.67
2 - Savin Copier(s) - Office & Map room	\$ 11,336.00
3000 watt Invertor - Truck 331	\$ 309.41
Javad Triumph GPS Unit - Survey Department	\$ 12,570.00
2 - HD Vacuums(s) - Office & Garage	\$ 599.98
2 - Stihl 261 Professional Chain Saw(s)	\$ 991.92
Dewalt Lithium Rechargeable Multi Tool Kit - Bridge	\$ 658.35
Stihl BG56 Professional Blower	\$ 191.96
Hobart Champion Elite DC Welder/ AC Generator	\$ 3,199.99
John Deere 5100M Tractor	\$ 58,061.41
2 - John Deere CX15 Single Wing Rotary Mower(s)	\$ 27,838.40
2015 Freightliner Tandem Axle Truck	\$ 102,649.00
Spray Truck Rebuild of Consol, Pumps, Tank and Controls	\$ 11,850.00
3 - Gledhill Snow Plow(s)	\$ 32,055.00
Transfer Truck Body with New Hydraulics and Plow for 2015 Tandem Truck	\$ 25,702.00
Boss Snowplow Wing Extensions	\$ 700.00
Industrial Jet Bandsaw and Jet Drill Press - Shop	\$ 3,447.99
69" Alamo Buzzbar Attachment for Boom Tractor	\$ 14,100.80
2 - DOT Z1 Professional Distance Measuring Instrument(s)	\$ 1,224.00
Digital Time Clock - Garage	\$ 499.99
Computer - Garage	\$ 364.98
Storage Tank for Deicer	\$ 1,235.00
Bosch Electric Jackhammer with Bits - Survey Department	\$ 1,099.34
Mechanics Shop Tools with Box	\$ 5,043.76
Total	\$ 317,851.57

2015 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 road systems. The Highway Department was extremely busy in 2015, working ahead for the 2016 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 2015 Expenses				
	Labor	Amortized Equipment	Materials and Contractor Work	Total
Mowing	\$ 68,057.79	\$ 83,759.33	\$ -	\$ 151,817.12
Roadside Spraying	\$ 4,334.75	\$ 2,601.65	\$ 4,863.50	\$ 11,799.90
Hand Patching	\$ 2,490.35	\$ 920.55	\$ 331.98	\$ 3,742.88
Durapatching	\$ 22,881.79	\$ 28,343.52	\$ 20,371.57	\$ 71,596.88
Crack Sealing	\$ 88,821.73	\$ 10,167.29	\$ 84,241.30	\$ 183,230.32
Tree & Brush Removal	\$ 39,530.70	\$ 25,296.65	\$ -	\$ 64,827.35
Culvert Repair & Replacement (not related to resurfacing)	\$ 13,344.46	\$ 10,735.85	\$ 16,476.72	\$ 40,557.03
Sign Repair	\$ 6,804.23	\$ 1,751.75	\$ 8,245.97	\$ 16,801.95
Sign Repair (Vandalism)	\$ 3,146.48	\$ 808.50	\$ 2,874.71	\$ 6,829.69
Sign Replacement	\$ 4,123.16	\$ 659.89	\$ 6,534.73	\$ 11,317.78
Snow and Ice Control	\$ 122,764.74	\$ 129,851.19	\$ 192,985.13	\$ 445,601.06

2015 County Paving Program Completed Sales Tax			
ROAD #	Begins	Ends	Total Cost
CR 29	CR 5 (resume)	CR 146	\$695,927.84
CR 146	CR 29 W / TR 29 W	CR 153	\$145,832.22
CR 200	RR	Bellefontaine Corp.	\$9,796.78
Grand Total			\$851,556.84

2015 County Paving Program Completed Federal Aid			
ROAD #	Begins	Ends	Total Cost
CR 5	US 68	South Corp. Zanesfield	\$1,081,575.46
CR 11	TR 32	Bellefontaine Corp.	\$157,198.51
CR 18	CR 43	CR 11	\$238,000.17
CR 43	CR 11	CR 18	\$538,141.10
Grand Total			\$2,014,915.24

2015 County Chip and Seal Program Completed						
Road	Begins	Ends	Labor	Equipment	Materials	Total
57	US 33	East Bell Drive	\$ 3,762.80	\$ 2,861.26	\$ 43,498.59	\$ 50,122.65
57	East Bell Drive	TR 56 N				
57	TR 56 N	TR 56 S				
57	TR 56 S	CR 49 N				
57	CR 49 N	US 68				
57	Conrail	CR 9	\$ 3,600.76	\$ 2,652.72	\$ 32,634.95	\$ 38,888.43
49	SR 274	CR 101 NE				
49	CR 101 NE	TR 108 W				
49	TR 108 W	CR 105				
49	CR 105	CR 39				
52	Shelby Co.	CR 23	\$ 4,326.15	\$ 3,124.33	\$ 30,263.40	\$ 37,713.88
52	CR 23	CR 53 S				
52	CR 53 S	CR 54				
54	SR 720	CR 54 W / TR 52 E	\$ 4,291.40	\$ 2,875.08	\$ 34,492.19	\$ 41,658.67
54	CR 54 W / TR 52 E	TR 240 E				
54	TR 240 E	SR 274				
54	SR 274	TR 80 W				
54	TR 80 W	CR 60 SW				
21	CR 77 W	TR 78 W	\$ 1,980.06	\$ 1,659.33	\$ 18,463.96	\$ 22,103.35
21	TR 78 W	CR 58				
5	SR 540	SR 47	\$ 3,060.63	\$ 2,540.55	\$ 26,589.18	\$ 32,190.36
12	SR 47	CR 26 W Walnut Grove	\$ 1,251.15	\$ 1,067.45	\$ 17,299.88	\$ 19,618.48
12	CR 26 W Walnut Grove	CR 26 E Walnut Grove				
2	CR 5	TR 129	\$ 8,461.16	\$ 5,872.42	\$ 85,747.40	\$ 100,080.98
2	TR 129	SR 292				
2	SR 292	TR 131				
2	TR 131	TR 132				
2	TR 132	CR 142				
2	CR 142	Logan/Union Co. Line	\$ 2,945.47	\$ 2,342.75	\$ 30,156.53	\$ 35,444.75
111	CR 101	US 68				
111	US 68	CR 112 S / TR 112 N				
112	CR 113	CR 111 W / TR 111 E	\$ 864.14	\$ 703.30	\$ 9,730.05	\$ 11,297.49
38 Spur	SR 366	CR 38	\$ 1,300.70	\$ 791.50	\$ 5,935.75	\$ 8,027.95
38	SR 366	CR 38 Spur				
38	CR 38 Spur	Bickham Bridge				
254	CR 98 / TR 98	CR 38 / TR 38	\$ 1,140.72	\$ 845.05	\$ 16,212.85	\$ 18,198.62
98	From 1700' N of CR 38	TR 96	\$ 1,294.53	\$ 818.74	\$ 9,362.12	\$ 11,475.39
98	TR 96	CR 254 / TR 98				
Total Chip & Seal Program						\$ 426,821.00

2016 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, 2016, the proposed resurfacing and chip-seal programs for the County are as follows:

2016 Proposed County Resurfacing Program					
Road #	Begins	Ends	Road #	Begins	Ends
8	SR 540	SR 292 / CR 12 (suspend)	41	Logan/Champaign Co. Line	SR 287
225	Logan/Shelby Co. Line	CR 23	28	CR 41 East	CR 168 West
90	CR 88	Auglaize Co. Line	49	CR 57	SR 274
162	Champaign Co. Line	Union Co. Line	171	SR 245	CR 28
168	Logan/Champaign Co. Line	CR 28			

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

2016 PROPOSED COUNTY CHIP SEAL PROGRAM					
Road #	Begins	Ends	Road #	Begins	Ends
39	CR 130	TR 56 W	97	CR 39 New Richland	CR 259 E
25	SR 540 (resume)	SR 47 (suspend)	97	CR 259 E	CR 96 W
25	SR 47 (resume)	TR 136 E	97	CR 96 W	SR 273
25	TR 136 E	TR 57 W	97	SR 273	Begin TR 97
25	TR 57 W	CR 9	97A	CR 97	SR 273
12	CR 26 E (Walnut Grove)	CR 20	118	CR 9	CR 20 N
12	CR 20	CR 48 E	118	Spur to CR 20	CR 5
12	CR 48 E	CR 50 (suspend)	154	CR 10	SR 347
12	CR 50 (resume)	CR 265 (Big Springs)	39	TR 56 W	TR 56 E
12	CR 265 (Big Springs)	TR 116 S	39	TR 56 E	CR 37 W / TR 37 W
12	TR 116 S	TR 115 N	39	CR 37 W / TR 37 W	SR 274 Cherokee
12	TR 115 N	SR 292 End	39	SR 274 Cherokee	CR 222 W
23	CR 74 E	SR 47	39	CR 222 W	TR 108 E
23	SR 47	DT&I RR	39	TR 108 E	TR 100 W McArthur & Richland line
23	DT&I RR	TR 76 E	20	CR 118 Rushcreek Twp.	CR 5
23	TR 76 E	TR 78 W	20	CR 5	CR 12
23	TR 78 W	TR 78 E	20	CR 12	SR 292
23	TR 78 E	CR 58 (suspend)	20	SR 292	CR 120
63	East Corp. Line Quincy	Penn Central RR Bridge	20	CR 120	Penn Central RR
63	Penn Central RR Bridge	CR 64 S	20	Penn Central RR	CR 142
63	CR 64 S	TR 256 S Corp. Line DeGraff	20	CR 142	Logan/Union Co. Line
28	CR 168 W	CR 171 W	173	CR 5	CR 47
28	CR 171 W	SR 287 (suspend)	2	CR 142	Logan/Union Co. Line
28	SR 287 (resume)	TR 163 E	54	SR 274	TR 80 W
28	TR 163 E	TR 164	54	TR 80 W	CR 60 SW
34	TR 164	CR 29 Pickrelltown	54	CR 60 SW	SR 235
34	SR 235	CR 73 W	98	CR 38 East & South	TR 96
34	CR 73 W	TR 74 E Miami & Pleasant Twp.	38	Bickham Bridge	CR 98
34	TR 74 E Miami & Pleasant Twp.	DT&I RR	38	CR 98	CR 96
34	DT&I RR	CR 74 W	91	SR 235	CR 54 Lewistown
34	CR 74 W	SR 47	10	West Prop. Line of 3193 CR 10	West Prop. Line of Tree Links
34	SR 47	TR 76	278	CR 279	CR 279
34	TR 76	CR 77 E	279	Lake Ave.	CR 278
34	CR 77 E	TR 78	280	CR 278	CR 279
34	TR 78	CR 58	280	CR 279	CR 278
50	CR 58	CR 59			
50	CR 5 & CR 110 N	TR 137 N			
50	TR 137 N	CR 12 S			
50	CR 12 Lt.	TR 116			
50	TR 116	Township Line			
50	Township Line	TR 267			

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

2015 BRIDGE PROGRAM

Our bridge crew had a busy year as they completed many projects that included one bridge and many culverts being replaced. They were also busy cleaning, painting and repairing other bridges and culverts. In addition to their work, federal enhancement grant money provided 80% of the funding to bring in a contractor to rehabilitate the two covered bridges in the county.

County Road 2-7.80 (Perry Twp.): Culvert Replacement
Township Road 3-1.66 (Miami Twp.): Wingwall Repairs
County Road 5-4.30 (Monroe Twp.): Deck and Wingwall Extensions
County Road 5-4.31 (Monroe Twp.): Culvert Replacement
County Road 13-1.56/McColly Covered Bridge (Washington Twp.): Painting and Lighting
County Road 23-2.74 (Pleasant Twp.): Culvert Replacement
County Road 38-0.29/Bickham Covered Bridge (Richland Twp.): Painting, Lighting and Deck Replacement
County Road 43-2.10 (Pleasant Twp.): Culvert Replacement
Township Road 75-0.10 (Pleasant Twp.): Abutment Repairs
County Road 120-1.32 (Bokescreek Twp.): Wingwall Repairs and Silt Removal
Township Road 160-1.41 (Zane Twp.): Bridge Replacement
Township Road 209-0.18 (Pleasant Twp.): Clean and Paint Steel Beams

2016 TENTATIVE BRIDGE PROGRAM

The 2016 Bridge Program continues the commitment of prioritizing bridge replacements based on condition. The County infrastructure will continue to be re-evaluated periodically and changes to this program are likely to occur in order to achieve our dedication to repair or replace the structures and highways in the worst condition first.

As of March 17, 2016, the proposed 2016 Bridge Program is as follows:

County Road 5-20.35 (Rushcreek Twp.): Abutment Repairs and Clean and Paint Steel Beams
County Road 11-1.34 (Pleasant Twp.): Bridge Replacement
County Road 12-6.51 (Rushcreek Twp.): Deck Replacement and Steel Beam Repairs
County Road 20-6.53 (Bokescreek Twp.): Bridge Replacement
Township Road 33-5.69 (Washington Twp.): Mill and Waterproof
Township Road 107-0.94 (Richland Twp.): Mill and Waterproof
Township Road 198-2.33 (Harrison Twp.): Mill and Waterproof
Township Road 253-0.50 (Washington Twp.): Abutment Repairs and Clean and Paint Steel Beams

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 6,800. 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 2015, the Map Room Staff checked legal descriptions on 2,550 real estate documents. There were 1,988 deeds, 393 Affidavits, 81 Certificates of Transfer, 41 easements and 47 land contracts. Additionally, 2 condominium plats & 1 annexation plat were approved and recorded. New property splits totaled 128 for the year with 84 documents being new surveys.

Surveyors submitted 260 new legal descriptions that were reviewed, approved, scanned and filed by the Map Room personnel. In addition, 21 new house numbers were assigned in 2015.

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

The Office of the Logan County Engineer

1991 CR 13, P.O. Box 427
 Bellefontaine, OH 43311
 Phone (937) 592-2791
 Fax (937) 599-2658
 Web Site: loganco.co.logan.oh.us/engineer

EXECUTIVE SUMMARY

368.449 Miles of County Road
 As of 12/31/15

296 Bridges
 10 Have Load Reductions Posted
 3 Have a Sufficiency Rating Less Than 50%

6,800 Traffic Signs

1,676 Culverts
 Excellent/Good Condition - 1,513
 Fair/Poor/Unknown Condition - 163

MOTOR VEHICLE REGISTRATIONS

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

2015 Logan County, Ohio Motor Vehicles Registrations		2014	2013
Type of Registration	# of Units	# of Units	# of Units
Passenger Cars	35,574	35,314	34,749
Motor Homes	327	312	311
Motorcycles	2,677	2,560	2,647
House Vehicles	930	908	842
Mopeds	20	15	15
Non-Commercial Trailers	5,841	5,593	5,417
Non-Commercial Trucks	10,852	10,637	10,687
Farm Truck	346	377	373
Buses	43	48	44
Commercial Trailers	2,072	2,075	1,819
Non IRP Trucks (Intl. Reg. Plan)	1,993	1,793	1,800
IRP Trucks (Intl. Reg. Plan)	197	249	160
Total Vehicle Registrations	60,872	59,881	58,864

SOURCE: State of Ohio, Bureau of Motor Vehicles