

**OFFICE OF
THE
LOGAN COUNTY
ENGINEER**

**ANNUAL REPORT
2007-2008 ROAD REVIEW**

April 1, 2008



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



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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
Greg Dappert	Bryan Dhume, P.E.	Curtis D. Dill, P.S.
Dianne Gauder	Harvey Grimes	Sam Ragland
Bob Simmons	Denny Stryker	
Map Room		
Jayma Burkhammer	Jon Hines	Suzie Yoesting
Road Department		
Matt Archer	Larry Artis	Butch Banning
John Berry	Jeremy Burrey	Todd Coleman
M. Elliott Fullerton	Mark Hilty	Ramon Lianez
Dan McMillen	Joel Miracle	Jackie Norviel
Bob Schrader	John Spencer	Greg Swonguer
Steve Tracey		
Bridge Department		
Rick Archer	Greg Kennaw	Jim Logan
Shane Long	Keith Price	
Traffic Department		
Richard Cooksey	Mark Dearwester	Don Phipps
Building Authority		
John Cummins	Dennis Grogan	Becky Jolliff
Mike Reffitt		

Logan County Engineer's Office

April 1, 2008

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

The following pages contain our Annual Report for 2007. 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 2007, and what we plan to accomplish in 2008.

This year, we resurfaced 28.46 miles of county highways, sealed 77.43 miles of county highways, replaced or rehabilitated 9 bridges, and more than 25 culverts. Of the bridges that have been replaced in 2007, three had been closed to traffic and four could not carry school buses. We have assisted the Township Trustees with the resurfacing of 9.69 miles and chip-sealing of 26.52 miles of roads with a combination of sales tax and the Townships' own funds. We assisted the villages by applying for an Ohio Public Works grant to resurface 8.31 miles of village streets and county staff provided contract administration and inspection.

In 2007, we spent \$381,285.75 on snow and ice control during the calendar year, which is a significant increase from \$123,132.74 in 2006. This includes 1,822.64 hours of overtime and 5685 tons of grit. We spent \$47,340.03 on tree and brush removal with over 1,495 hours of labor.

The Map Room and the Building Authority have been highly productive this year as well. The Logan County Building Authority issued 466 permits this year, of which, 98 were new dwellings. They also performed a total of 2,401 inspections at a cost of only \$56.98 per inspection in 2007. New home valuations totaled \$12,915,780. The Map Room processed 253 new parcel splits and over 2,800 deeds.

The engineering and administrative staff has overseen construction and inspection, designed all of the bridges and large culverts replaced in 2007, prepared all bid documents and specifications for all construction projects, prepared costs estimates, and performed hydraulic analyses for bridges and culverts. We plan bridge replacements and maintenance, road reconstruction, ditch maintenance, equipment needs, and building and grounds maintenance. We maintain and track our inventory, manage billing and payments, track project costs, inspect and issue driveway permits, prepare press releases, plan safety training, perform annual bridge inspections, maintain and update county mapping, inspect subdivisions and stormwater and erosion control measures, comply with state and federal regulations, and answer questions from the public. We perform design and analysis, construction inspection, and surveys for the townships. In 2007, we acquired \$640,636.65 in state grant assistance for the villages and applied for \$75,000.00 in grants for future projects.

In 2001, the Logan County Engineer's Office and the Bellefontaine City Engineer first began discussing the Gunntown Road extension and County Road 1 hill cut. Tax Increment Financing (TIF) for the new Wal-Mart store was established to help finance the construction of Gunntown Road and the CR 1 hill cut. The City of Bellefontaine completed the design and construction plans for the CR 1 hill cut project. The Logan County Engineer's Office developed the bid specification documents and performed construction inspection for the hill cut project. Total construction cost for the CR 1 hill cut project paid by the City of Bellefontaine was \$152,255.42 and the Logan County Engineer's Office expenses totaled \$63,863.83 for labor, equipment, and material.

The road and bridges sales tax income for 2007 was \$2,465,582.03. Of these funds, \$251,695.10 were expended for township chip-seal and resurfacing.

For 2008, we have scheduled another 18.73 miles for asphalt resurfacing and have planned a 43.54 miles chip-seal program to preserve the roads that have been resurfaced recently. We are also performing a crack sealing project to extend the service life of some of the higher traffic roads in the county.

The Bridge Crew replaced/rehabilitated 9 bridges and performed maintenance on several structures in 2007. They will continue to work diligently to replace/rehabilitate 11 more bridges and complete maintenance work that is scheduled for 2008. Of the 11 bridges scheduled for replacement/rehabilitation in 2008, one is closed to all traffic and five cannot be crossed by school buses.

The Traffic Department has replaced 1,258 permanent signs in 2007, of which 79 were vandalized signs. This past year, they placed 220 temporary construction signs, repainted 19 railroad and 8 school crossing zones, and trimmed brush around signs to provide clear sight distance. In 2008, the Traffic Department will be busy overseeing pavement marking, replacing damaged or vandalized signs, installing road construction signage and maintaining the sign inventory. The Traffic Department also repaired 122 mailboxes that were damaged during snow and ice event at a cost of \$9,104.62. The Logan County Engineer's Office currently repairs mailboxes that have been damaged during snow plow operations as a courtesy with a basic mailbox and we try to repair mailboxes if possible. I encourage all rural residents to inspect and repair their mailboxes prior to next winter and place their mailboxes in accordance with U.S. Postal Service guidelines.

Sincerely,

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

The Condition of Our Highway System

We have been busy this winter trying to keep the highways clear of snow and ice, repairing berms, hauling dirt for shoulder repair work, and cleaning road ditches. Our crews will continue to remove trees and limbs within the right-of-way as a regular maintenance item in order to limit damage caused by future ice storms.

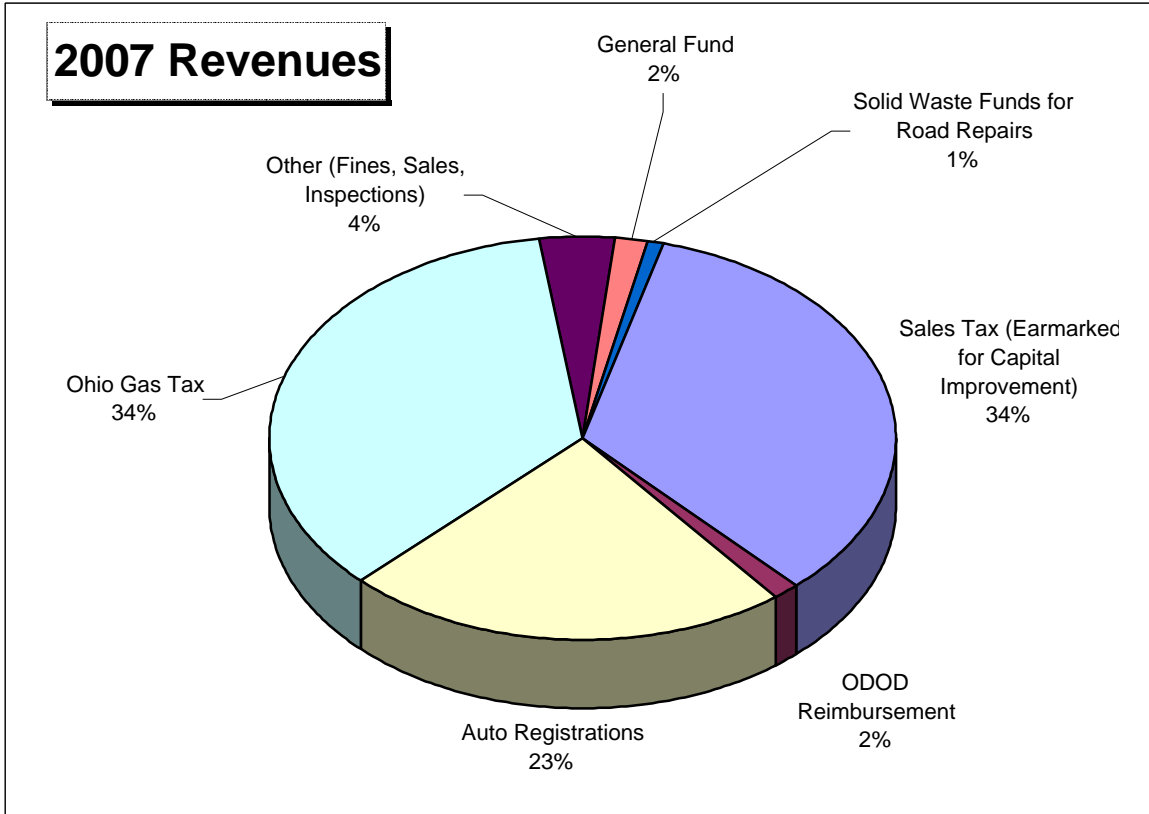
Generally speaking, our roads have weathered the winter okay considering the weather conditions, but we continue to see the need to seal our new pavements as soon as possible after resurfacing. Several transportation agencies have started sealing new asphalt immediately after the hot mix paver has left the jobsite. We will complete 18.7 miles of resurfacing with asphalt concrete and plan to seal about 43.5 miles. We still have approximately 12 miles of county highways that are rated in poor condition. This is a reduction from 142 miles of poor pavement in 2001. We also have several miles that require a surface course of paving. 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 resurfaced over 247.46 miles of county highways.

We are continuing to make strides with our bridge program. With the replacement of 9 bridges in 2007, we are continuing to upgrade our overall bridge conditions. This year's bridge replacement schedule will re-open 1 bridge that has been closed to all traffic and 5 bridges that school buses are currently unable to cross due to weight restrictions.

There are 31 bridges with posted load restrictions. Forty-four 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 58 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 \$105 per square foot for estimating our bridge program.

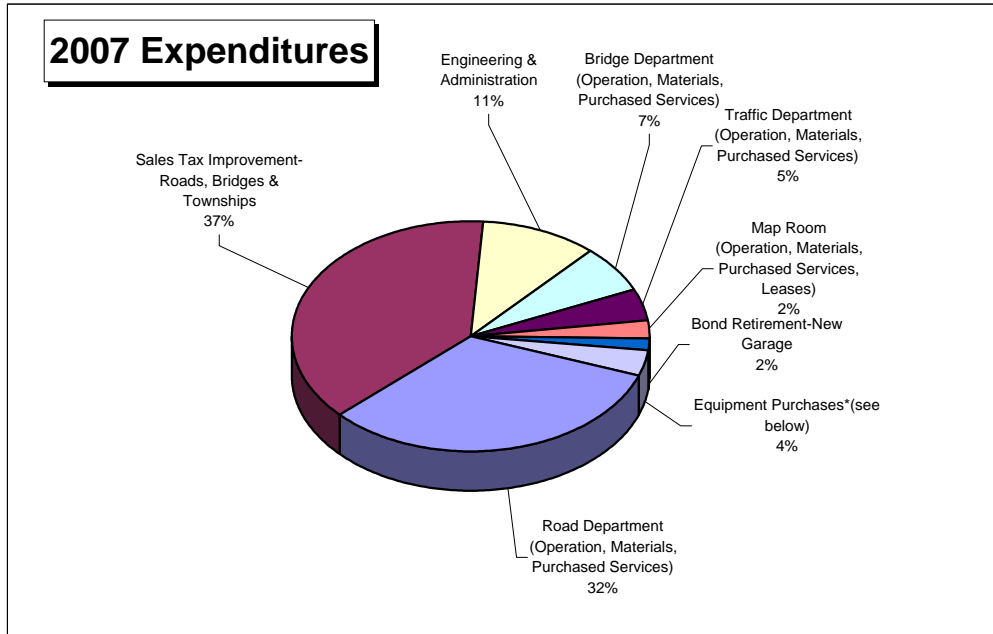
Since the force account limits for projects that we can construct with our own staff were increased in 2003, construction materials have increased by more than 41 percent. We must encourage the state legislature to increase the force account limits for roads and bridges so that we can continue to save 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 our current Attorney General is interpreting the force account legislation differently than the previous administration, these limits need to be increased to \$240,000 and \$72,000, respectively, with a 3 percent annual inflation factor.

2007 Revenues		
Sales Tax (Earmarked for Capital Improvement)	34%	\$ 2,301,956.88
ODOD Reimbursement	2%	\$ 105,518.28
Auto Registrations	23%	\$ 1,563,191.95
Ohio Gas Tax	35%	\$ 2,396,839.15
Other (Fines, Sales, Inspections)	4%	\$ 282,385.52
General Fund	2%	\$ 112,174.88
Solid Waste Funds for Road Repairs	1%	\$ 50,000.00
Total		\$ 6,812,066.66



2007 Sales Tax	
Carryover from 2006	\$ 1,531,355.88
Township Carryover from 2006	\$ 10,091.51
Income	\$ 2,292,376.13
Expenditures	
County Sales Tax Resurfacing Program (including culverts)	
Township Sales Tax Resurfacing & Chip Seal Program	
Bridge 137-0.49 Replacement	
Bridge 173-0.12 Replacement	
Bridge 113-1.73 Replacement	
Bridge 157-0.60 Replacement	
Bridge 221-0.20 Replacement	
Bridge 49-5.93 Replacement	
Bridge 126-1.39 Replacement	
Bridge 35-5.40 Replacement	
Bridge 89-1.25 Replacement	
Bridge 49-1.92 Replacement	
Logan Co. Board of Election Expenses for Sales Tax Renewal	\$ 2,368,700.41
Total Carryover	\$ 1,465,123.11

2007 Expenditures		
Road Department (Operation, Materials, Purchased Services)	32%	\$2,027,688.71
Sales Tax Improvement-Roads, Bridges & Townships	38%	\$ 2,368,700.41
Engineering & Administration	11%	\$657,909.36
Bridge Department (Operation, Materials, Purchased Services)	7%	\$418,057.57
Traffic Department (Operation, Materials, Purchased Services)	5%	\$ 290,654.73
Map Room (Operation, Materials, Purchased Services, Leases)	2%	\$140,620.28
Bond Retirement-New Garage	2%	\$ 112,174.88
Equipment Purchases*(see below)	4%	\$ 225,371.10
Total		\$ 6,241,177.04



*Major Equipment Purchased in 2007	
Office Chairs (3)	\$ 554.97
Tripod - Survey Department	\$ 303.05
PEOMS Upgrade	\$ 14,455.00
Filing Cabinet	\$ 169.99
Computer Equipment	\$ 1,900.00
ProMark 3L1 GPS System	\$ 9,498.00
Office Typewriter	\$ 486.17
Print Head - Map Room	\$ 131.66
HELAC Power Tilt for Excavator	\$ 9,125.00
John Deere Mowers (3)	\$ 19,500.00
Case Tractor	\$ 30,109.00
2007 Cab and Chassis	\$ 57,245.00
Snow Plow Hitch	\$ 11,033.00
2008 Ford Pick-Ups (2)	\$ 38,104.18
Plywood Forms	\$ 525.00
1999 International Cab and Chassis	\$ 10,090.00
Tool Boxes (2)	\$ 1,096.70
Running Boards (2)	\$ 850.00
Case Dozer	\$ 20,000.00
Lifting Slings	\$ 194.38
Total	\$ 225,371.10

2007 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, washouts, 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 2007, working ahead for the 2008 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 2007 Expenses

	Labor	Amortized Equipment	Materials and Contractor Work	Total
Mowing	\$ 59,136.43	\$ 60,146.50	\$ -	\$ 119,282.93
Hand Patching	\$ 18,119.57	\$ 14,721.30	\$ 13,263.32	\$ 46,104.19
Durapatching	\$ 15,737.75	\$ 12,840.00	\$ 12,293.65	\$ 40,871.40
Tree & Brush Removal	\$ 36,449.99	\$ 10,874.97		\$ 47,324.96
Culvert Repair & Replacement (not related to resurfacing)	\$ 6,237.36	\$ 2,524.75	\$ 1,939.68	\$ 10,701.79
Sign Repair	\$ 23,057.47	\$ 2,474.30	\$ 10,723.26	\$ 36,255.03
Sign Repair (Vandalism)	\$ 7,791.91	\$ 990.25	\$ 4,500.22	\$ 13,282.38
Sign Replacement	\$ 17,705.16	\$ 2,077.05	\$ 17,003.11	\$ 36,785.32
Snow and Ice Control	\$ 127,781.95	\$ 135,234.25	\$ 118,269.55	\$ 381,285.75

2007 County Sales Tax & Regular Paving Program Completed

ROAD #	Begins	Ends	Total Cost
39	CR 130	100 McArthur & Richland	\$ 228,118.18
25	SR 540 (resume)	CR 9	\$ 181,362.88
272	CR 286 Seminole Island	SR 368	\$ 97,749.17
286	Circle on Minnewauken	SR 368 / CR 272	\$ 95,878.16
1	SR 245 & SR 287	Lake Ave. West	\$ 351,418.75
5	CR 25	SR 540 (suspend)	\$ 113,364.00
11	E. Corp. DeGraff	TR 32	\$ 462,108.53
105	CR 39 New Richland	CR 106 Northwood	\$ 198,007.76
235	SR 540	SR 540	\$ 30,780.65
235A	SR 540	Bellefontaine WCL	\$ 5,460.62
Grand Total			\$ 1,764,248.70

2007 County Chip and Seal Program Completed

Road	Begins	Ends	Labor	Equipment	Materials	Total
111	US 68	CR 112 South TR 112 North	\$ 1,910.88	\$ 1,459.20	\$ 7,340.82	\$ 10,710.90
113	CR 101 & CR 111	SR 638 Enter	\$ 828.10	\$ 538.50	\$ 7,235.31	\$ 8,601.91
113	SR 638 Leave	US 68				
101	SR 638 Northwood	CR 111 & 113 E. Northwood	\$ 203.66	\$ 108.30	\$ 936.63	\$ 1,248.59
38 Spur	SR 366	CR 38	\$ 1,262.71	\$ 1,001.05	\$ 7,623.44	\$ 9,887.20
38	SR 366	CR 38 Spur				
38	CR 38 Spur	Bickham Bridge				
38	Bickham Bridge	CR 98				
38	CR 98	CR 96				
254	CR 98/TR98	CR 38/TR 38	\$ 1,395.62	\$ 1,049.00	\$ 7,906.01	\$ 10,350.63
98	CR 38	TR 96	\$ 1,166.51	\$ 841.20	\$ 7,197.76	\$ 9,205.47
98	TR 96	CR 254/TR 98				
88	CR 17	TR 86	\$ 2,305.90	\$ 2,115.60	\$ 20,722.76	\$ 25,144.26
88	TR 86	CR 90				
88	CR 90	US33				
90	CR 88	TR 89	\$ 834.55	\$ 718.80	\$ 6,979.16	\$ 8,532.51
90	TR 89	Auglaize Co. Line				
87	CR 17 Logan-Auglaize Co. line	TR 86 South	\$ 2,272.43	\$ 1,785.15	\$ 21,226.04	\$ 25,283.62
87	TR 86 South	TR 86 North				
87	TR 86 North	TR 84 South				
87	TR 84 South	TR 83 South				
87	TR 83 South	CR 275				
275	CR 87	Closed Bridge	\$ 654.41	\$ 363.00	\$ 2,121.94	\$ 3,139.35
35	CR 59 (resume)	CR 60	\$ 2,935.62	\$ 2,244.60	\$ 21,274.96	\$ 26,455.18
35	CR 60	SR 274				
34	SR 235	CR 73 West	\$ 1,375.92	\$ 1,080.30	\$ 10,446.85	\$ 12,903.07
34	CR 73 West	TR 74 E. Miami & Pleasant Twp.				
34	TR 74 E. Miami & Pleasant Twp.	DT&I RR				
34	DT&I RR	CR 74 West				
66	Logan-Champaign Co. Line	TR 295 East	\$ 1,991.21	\$ 1,564.20	\$ 10,339.52	\$ 13,894.93
66	TR 295 East	TR 71 East				
66	TR 71 East	East Corp. line Quincy				
65	Logan-Champaign Co. Line	TR 295 East	\$ 2,392.66	\$ 1,753.10	\$ 12,434.28	\$ 16,580.04
65	TR 295 East	TR 295 West				
65	TR 295 West	SR 508 S. Corp. DeGraff				
171	SR 245	TR 166	\$ 2,517.24	\$ 1,868.30	\$ 12,183.21	\$ 16,568.75
171	TR 166	TR 169 South				
171	TR 169 South	TR 169 North				
171	TR 169 North	CR 28				
28	CR 168 West	CR 171 West	\$ 4,585.67	\$ 3,579.70	\$ 31,337.08	\$ 39,502.45
28	CR 171 West	SR 287 (suspend)				
28	SR 287 (resume)	TR 163 East				
28	TR 163 East	TR 164				
28	TR 164	CR 29 Pickrelltown				
Total Chip & Seal Program						\$ 238,008.86

2008 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 24, 2008, the proposed resurfacing and chip-seal programs for the County are as follows:

2008 Proposed County Resurfacing Program					
ROAD #	Begins	Ends	ROAD #	Begins	Ends
48	SR 292	CR 120 South	106	SR 638	CR 105 West
48	CR 120 South	CR 142	106	CR 105 West	SR 638
51	CR 101 Southwest	US 68	142	CR 10	TR 141 West
104	SR 273	Hardin Co. Line	142	TR 141 West	CR 28
112	CR 113	CR 111 W. - TR 111 E.	142	CR 296 LT	TR 133 East
152	CR 153 Middleburg	TR 227 East	142	TR 133 East	South Corp. Line West Mansfield
152	TR 277 East	CR144	142	CR 26	CR 20
152	SR 292	Cul De Sac	142	CR 20	CR 48
271	CR 296 LT	SR 292	142	CR 48	CR 117
291	Valley Hi Corp. Line	CR 28	144	CR 153	TR 148 East
10	CR 154	CR 142 South	144	TR 148 East	CR 144A
10	CR 142 South	TR 143			
10	TR 143	Logan-Union Co. Line			

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

2008 PROPOSED COUNTY CHIP SEAL PROGRAM					
Road #	Begins	Ends	Road #	Begins	Ends
2	CH 5	TR 129	173	CH 5	CR 47
2	TR 129	SR 292	158	SR 559	TR 157
2	SR292	TR 131	158	TR 157	SR 287
2	TR 131	TR 132	189	West Liberty N. Corp. line	CR 14
2	TR 132	CR 142	189	CR 14	US 68
2	CR 142	Logan/Union Co. line	20	CH 12	SR 292
13	CH 21 BLOOMFIELD TWP	TR 79 EAST	20	SR 292	CH 120
13	TR 79 EAST	TR 59 SOUTH	20	CH 120	PENN CENTRAL RR
13	TR 59 SOUTH	TR 247 SOUTHWEST	20	PENN CENTRAL RR	CH 142
13	TR 247 SOUTHWEST	SR 235 ENTER (suspend)	20	CH 142	LOGAN-UNION CO LINE
97	CR 96	Spur to SR 273 Rt.	48	CH 12	Culvert
97	Spur to SR 273 Rt.	SR 273 (suspend)	48	Culvert	SR 292
97	SR 273 (resume)	TR 97	50	CR 12 Rt	CR 12 Lt.
97A	CR 97	SR 273	50	CR 12 Lt.	TR 116
187	TR 7	TR 197	50	TR116	Twp line
187	TR 197	SR 508	50	Twp. Line	TR 267
202	TR 263	SR 508	50	TR 267	SR 292
12	CH 50 (resume)	CH 265 (BIG SPRINGS)	15	CH 44	SR 287 & CH 41
12	CH 265 (BIG SPRINGS)	TR 116 SOUTH	44	CR 15	TR 160
12	TR 116 SOUTH	TR 115 NORTH	105	CH106 N. TR106 S. CORP BELLE CENTER	CH 103 EAST
12	TR 115 NORTH	SR 292 END	102	CH 103 EAST	LOGAN-HARDIN CO LINE
14	CH 189 BEGINS	SR 508 & TR 188 END			
68	CR 3/ Co. Line	SR 706			
118	CR 20	Spur to CR 20			
118	Spur to CR 20	CR 5			
18	SR 508 & TR 18	TR 30			

2007 BRIDGE PROGRAM

Our Bridge Crew had another good year. In addition to repairing and replacing bridges and culverts, they worked on snow and ice control. This means the Bridge Crew must be able to proficiently switch from a bridge project to snow and ice control and back again.

As of March 3, 2008, all of the annual bridge inspections were complete. The Bridge Crew replaced 7 structures and performed significant repairs to 2 other structures.

Structures Replaced:

Township Road 137-0.49 Bridge Replacement
 County Road 113-1.73 Bridge Replacement
 Township Road 173-0.12 Bridge Replacement
 Township Road 157-0.60 Bridge Replacement
 County Road 35-5.40 Bridge Replacement
 Township Road 126-1.39 Bridge Replacement
 Township Road 89-1.25 Bridge Replacement
 Township Road 49-5.93 Bridge Rehabilitation
 Township Road 258-0.06 Bridge Rehabilitation

2008 BRIDGE PROGRAM

In the 2001 renewal of the sales tax for roads and bridges, the priority was based on condition. Therefore, the 2008 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 March 3, 2008, the proposed Bridge Program is as follows:

Township Road 192-0.43 Bridge Replacement
 Township Road 221-0.20 Bridge Replacement
 Township Road 34-7.20 Bridge Replacement
 Township Road 110-0.58 Bridge Replacement
 Township Road 114-0.88 Bridge Replacement
 Township Road 56-5.09 Bridge Replacement
 Township Road 164-2.10 Bridge Replacement
 Township Road 164-1.75 Bridge Replacement
 Township Road 163-0.53 Bridge Replacement
 County Road 63-1.38 Bridge Replacement
 Township Road 30-0.80 Bridge Rehabilitation
 Township Road 221-0.36 Deck 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 6,916. 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

By law, the County Engineer is the official plat draftsman for the County Auditor. In addition to maintaining maps of all properties by lot, parcel and acreage, the Map Room assigns new house numbers, serves attorneys, surveyors, appraisers, realtors, and private individuals in checking deed descriptions and reviews new surveys for accuracy and compliance. Also, the office periodically updates the digitized tax maps to reflect all new property splits.

The changing and ever growing county community has kept the Map Room very busy. In 2007, they processed approximately 253 new property splits and checked over 2,800 deeds transferring property. They also checked approximately 88 easement and right-of-way documents, reviewed 12 new subdivision plats, and created approximately 46 new house numbers. They also checked over 100 new surveys and provided over 1,500 deed pre-approvals of legal descriptions.

In 2006, the Map Room updated its mapping system. We are now completely digital and have 2005 aerial photography available to the public.

BUILDING AUTHORITY

The year brought about many expected changes. On May 27th the Logan County Building Authority became a Certified Residential Building Department as was mandated by the State and July 1st was the mandated enforcement date for manufactured homes under the Ohio Manufactured Homes Commission (OMHC). Permit fees were adjusted for the second time since the department's inception in September 1989. The increase was required to offset costs of the new mandates for certified personnel, continuing education, administrative changes, and the 1% state administrative fee. The increase in contract services expenditures reflects costs of contracting with certified inspectors. The new administrative section of the 2006 Residential Code of Ohio (RCO) requires permits for many additional projects. This is reflected in the increased revenue and total permits issued while new home permits were down for a second straight year. The decrease in new home starts is occurring in both Ohio and across the nation. Russells Point has now contracted with the county to do their residential inspections. The Health Department was mandated by State law to perform plumbing inspections with in-house personnel beginning April 1st. This is reflected by the decrease of revenue on the plumbing inspection fee line below.

There are some new lines shown and some past ones deleted based on the changes in State law. The two mileage lines (total miles driven and average miles per inspection stop) are omitted as we now have certified contract inspectors that charge per hour rather than by mileage. A new line has been added for total miles on the county vehicle. There are also two new lines for equipment lease (copier) and continuing education (certification requirements).

Revenue			
	2007	2006	% of Change
Permit Revenue	\$ 130,625.00	\$ 80,540.00	62.2%
Contractor Registrations	\$ 20,800.00	\$ 22,800.00	-8.8%
Plumbing Inspection Fees	\$ 4,760.00	\$ 16,065.00	-70.4%
Reinspect Fees	\$ 1,075.00	\$ 1,900.00	-43.4%
Misc	\$ 202.00	\$ 30.00	573.3%
Application Fees	\$ 11,725.00	\$ 7,425.00	57.9%
Additional Permit Fees	\$ 1,850.00	\$ 1,465.00	26.3%
OMHC Seals (new)	\$ 975.00	-	-
State Administrative Fee 1%	\$ 1,030.75	-	-
Total Revenue	\$ 173,042.75	\$ 130,225.00	32.9%

Expenditures			
	2007	2006	% of Change
Total Salaries	\$ 91,767.05	\$ 89,933.25	2.0%
PERS, W/C & Medicare	\$ 16,957.18	\$ 14,636.17	15.9%
Supplies	\$ 2,219.66	\$ 2,423.46	-8.4%
Contract Services	\$ 16,638.07	\$ 6,136.69	171.1%
Contract Repair	\$ 925.18	\$ 2,832.01	-67.3%
Equipment	-	\$ 5,116.52	-100.0%
Equipment Lease	\$ 2,756.16	-	-
Continuing Education	\$ 1,892.72	-	-
Other Expenses	\$ 1,942.67	\$ 5,140.57	-62.2%
Code Books	\$ 876.81	\$ 615.68	42.4%
OMHC	\$ 900.00	-	-
State Administrative Fee 1%	\$ 1,031.00	-	-
Total Expenditures	\$ 137,906.50	\$ 126,834.35	8.7%

Permits Issued			
	2007	2006	% of Change
Total of New Homes	86	153	-43.8%
Total of New Mfg. Homes	12	18	-33.3%
Total of "Other" Permits	362	146	147.9%
Plumbing Permits New Homes	6	8	-25.0%
Plumbing Permits (remodels)	0	12	-100.0%
Total All New Dwellings	98	171	-42.7%
Total of All Permits	466	337	38.3%

Inspections			
	2007	2006	% of Change
Building/Structural	1,203	1,580	-23.9%
Electrical Inspections	675	827	-18.4%
HVAC Inspections	273	396	-31.1%
Plumbing Inspections	249	523	-52.4%
Special Inspections	1	14	100.0%
Total Inspections*	2,401	3,340	-28.1%

* Includes Reinspections

Home Valuation			
	2007	2006	% of Change
New Home Valuation	\$ 12,915,780	\$ 23,632,848	-45.3%
Avg. Valuation Per Home	\$ 131,794	\$ 138,204	-4.6%

Averages			
	2007	2006	% of Change
Total Inspection Stops	1,418	1,803	-21.4%
Total Miles Driven	14,994	20,587	-27.2%
Avg Inspections Per Stop	1.7	1.8	-5.6%
Avg Revenue Per Stop	\$ 122.03	\$ 72.23	68.9%
Avg Expenditure Per Stop	\$ 96.52	\$ 70.35	37.2%
Avg Revenue Per Permit	\$ 371.34	\$ 386.42	-3.9%
Avg Expenditure Per Permit	\$ 293.71	\$ 376.36	-22.0%
Avg Revenue Per Inspection	\$ 72.04	\$ 38.99	84.8%
Avg Expenditure Per Inspection	\$ 56.98	\$ 37.97	50.1%

MOTOR VEHICLE REGISTRATIONS

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

2007 Logan County, Ohio Motor Vehicles Registrations	
Type of Registration	# of Units
Passenger Cars	33,987
Motor Homes	407
Motorcycles	2,551
House Vehicles	782
Mopeds	39
Non-Commercial Trailers	5,040
Non-Commercial Trucks	11,272
Farm Truck	308
Buses	50
Commercial Trailers	1,607
Non IRP Trucks	1,972
IRP Trucks	154
Total Vehicle Registrations in 2007	58,169
<i>Total Vehicle Registrations in 2006</i>	<i>58,991</i>

SOURCE: State of Ohio, Bureau of Motor Vehicles

The Office of the Logan County Engineer

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EXECUTIVE SUMMARY

371.85 Miles of County Road

Excellent/Good Condition - 296.31 Miles

Fair/Poor Condition - 75.54 Miles

300 Bridges

31 Have Load Reductions Posted

19 Have a Sufficiency Rating Less Than 50%

1 is Closed

6,825 Signs

1,573 Culverts

Excellent/Good Condition - 1,397

Fair/Poor/Unknown Condition - 176