

**OFFICE OF
THE
LOGAN COUNTY
ENGINEER**

**ANNUAL REPORT
2005-2006 ROAD REVIEW**

April 1, 2006



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

TABLE OF CONTENTS	
Employees of the Logan County Engineer's Office	2
Message from Your County Engineer	3
Condition of Our Highway System	4
2005 Revenues	5
Sales Tax Balance Sheet	5
2005 Expenditures	6
2005 Major Equipment Purchases	6
2005 Road Program	7-8
2006 Road Program	9-10
2005 Bridge Program	10
2006 Bridge Program	10
Administrative/Staff Support	11
Design/Engineering	11
Traffic Department	11
Courthouse Duties	11
Building Authority	12-13
2005 Motor Vehicle Registrations	13
Executive Summary	14

EMPLOYEES OF THE LOGAN COUNTY ENGINEER'S OFFICE		
County Engineer		
Scott C. Coleman, P.E., P.S.		
Engineering Department		
Harvey Grimes	Derek Heitzman	Kristin Knight
Dianne Gauder	Shirley Brunke	Michaela Brunke
Curtis D. Dill	Bob Simmons	Greg Dappert
Dennis Stryker	Sam Ragland	
Map Room		
Jon Hines	Suzie Yoesting	Jayma Burkhammer
Road Department		
Bob Schrader	Joel Miracle	Butch Banning
Jackie Norviel	Todd Coleman	Steve Tracey
John Spencer	Ron Hanson	Matt Archer
Dan McMillen	Greg Swonguer	Larry Garwood
Jim Logan	Jeremy Burrey	John Berry
Mark Hilty		Larry Artis
Bridge Department		
Rick Archer	Jim Houchin	Shane Long
Keith Price		
Traffic Department		
Don Phipps	George Coleman	Richard Cooksey
Mark Dearwester		
Building Authority		
Mike Reffitt	Becky Jolliff	Dennis Grogan
John Cummins		

FROM YOUR COUNTY ENGINEER

April 1, 2006

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

The following pages contain our Annual Report for 2005. On the back page, the reader will find a breakdown of the road miles, the number of bridges on our system, along with the number of signs and culverts that we maintain. Also included in this report is what we accomplished in the year 2005, and what we plan to accomplish in 2006.

This year, we resurfaced 45.7 miles of county highways, sealed 65 miles of county highways, replaced 6 bridges, and more than 44 culverts. Of the bridges that have been replaced in 2005, two had been closed to traffic for several years and three could not carry school buses. We have also assisted the Township Trustees with the resurfacing of 10 miles and chip-sealing 22 miles of roads with a combination of sales tax and the Townships' own funds.

In 2005, we spent \$378,351.17 on snow and ice control during the calendar year, which is a slight increase from \$335,404.15 in 2004. This includes 1,978.91 hours of overtime and 6,739.3 tons of grit. In January, we experienced the worst ice storm of memory. Many county residents were without electric service for several days. Transportation was hindered by fallen trees and the municipalities suffered heavy damage. Our office spent \$140,484.23 on tree and brush removal with over 3,930.2 hours of regular time and 104.56 hours of overtime. Office personnel assisted the highway crews with tree removal during the first week of the cleanup.

The Map Room and the Building Authority have been highly productive this year as well. The Logan County Building Authority issued 333 permits this year, of which, 167 were new dwellings. They also performed a total of 3,139 inspections in 2005. New home valuations totaled \$23,471,896.00. The Map Room processed 270 new parcel splits and over 2,900 deeds.

The Map Room has been continuously updating and maintaining the County GIS (geographic information system) for all existing and new parcel splits. This information has been made available to the public on the Logan County Auditor's website at <http://lcaweb.co.logan.oh.us/aweb/>. In the spring of 2005, the county contracted to have new digital aerial photography and LiDAR (light detection and ranging) data collected for Logan County. The LiDAR data will provide highly accurate ground elevations for the entire county. The Map Room has also acquired a large format plotter and scanner, which will enable the staff to print the most current aerial photography and digitally archive our large format documents.

The engineering and administrative staff has overseen the design and construction of the TR 61 Relocation Project, designed all of the bridges and large culverts replaced in 2005, 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 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 2005, we received \$ 2,486,376 in state and federal grant assistance and applied for \$ 1,163,923.21 in grants for future projects.

The road and bridges sales tax income for 2005 was \$2,472,931.34. Of these funds, 13.5 percent, or \$333,845.73, are provided for township roads and bridges each year.

For 2006, we have scheduled another 26 miles for asphalt resurfacing and have planned a 32 mile chip-seal program to preserve the roads that have been resurfaced recently.

The Bridge Crew replaced 6 bridges and performed maintenance on several structures in 2005. They will continue to work diligently to replace 11 more bridges and complete maintenance work that is scheduled for 2006. Of the 11 bridges scheduled for replacement in 2006, five are closed to all traffic and three can not be crossed by school buses.

The Traffic Department has replaced 1,752 permanent signs and installed 30 flip-up signs for high water locations in 2005. This year, they have placed 456 temporary construction signs, repainted the railroad and school crossing zones, and trimmed brush around signs to provide clear sight distance. In 2006, the Traffic Department will be busy overseeing pavement markings, replacing damaged or vandalized signs, installing road construction signage, repairing barricades and high water signage, and maintaining the sign inventory.

Sincerely,



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

The Condition of Our Highway System

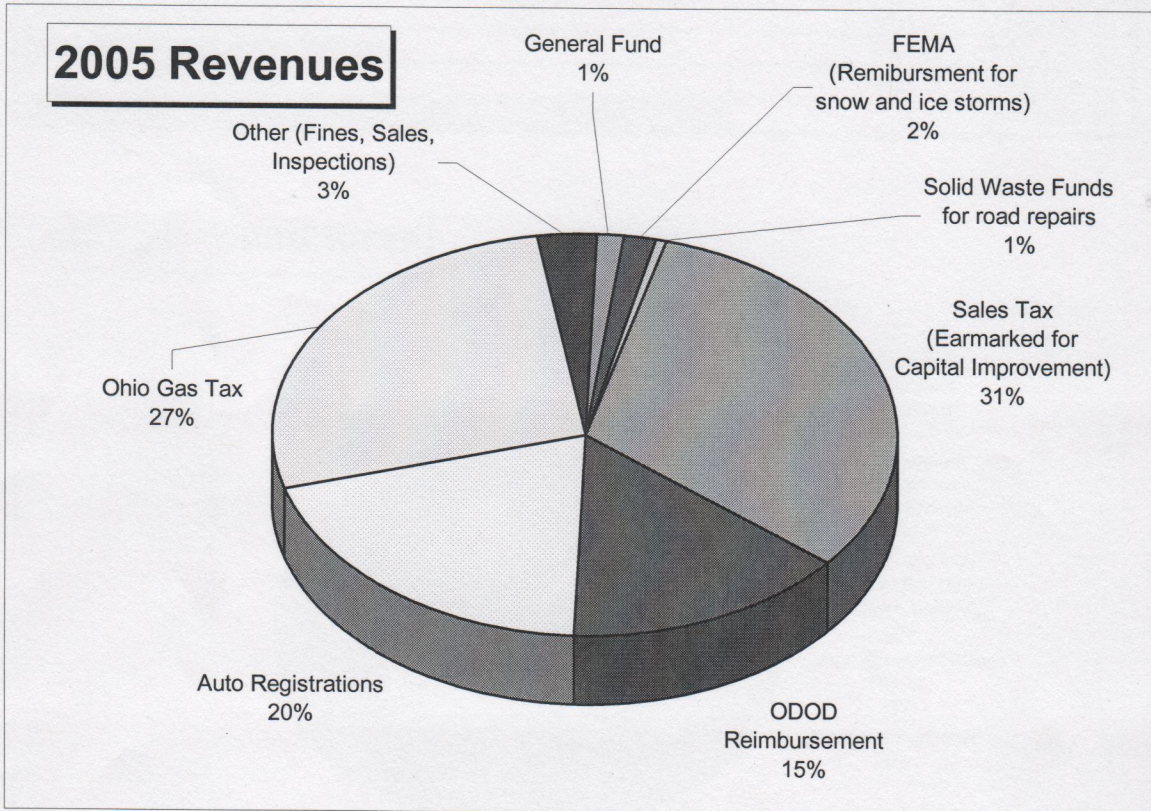
We have been busy this winter trying to keep the highways clear of snow and ice, replacing culverts in preparations for the 2006 resurfacing program, and cleaning debris caused by the ice storm of 2005. Our crews will continue to remove trees and limbs within the right-of-way as a regular maintenance item in order limit damage caused by future ice storms.

Generally speaking, our roads have weathered the winter fairly well, 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 26 miles of resurfacing with asphalt concrete and plan to seal about 32 miles. We still have approximately 41 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 90 miles that require a surface course of paving. Since 2003, we have placed only the intermediate course of pavement on many of the roads that have been 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 194 miles of county highways.

We are continuing to make strides with our bridge program. With the replacement of 6 bridges in 2005, we are continuing to upgrade our overall bridge conditions. This year's bridge replacement schedule will reopen 5 bridges that have been closed to all traffic and 3 bridges that school buses are currently unable to cross due to weight restrictions. The 2006 bridge replacement plan will replace all of the structures that are currently closed to traffic.

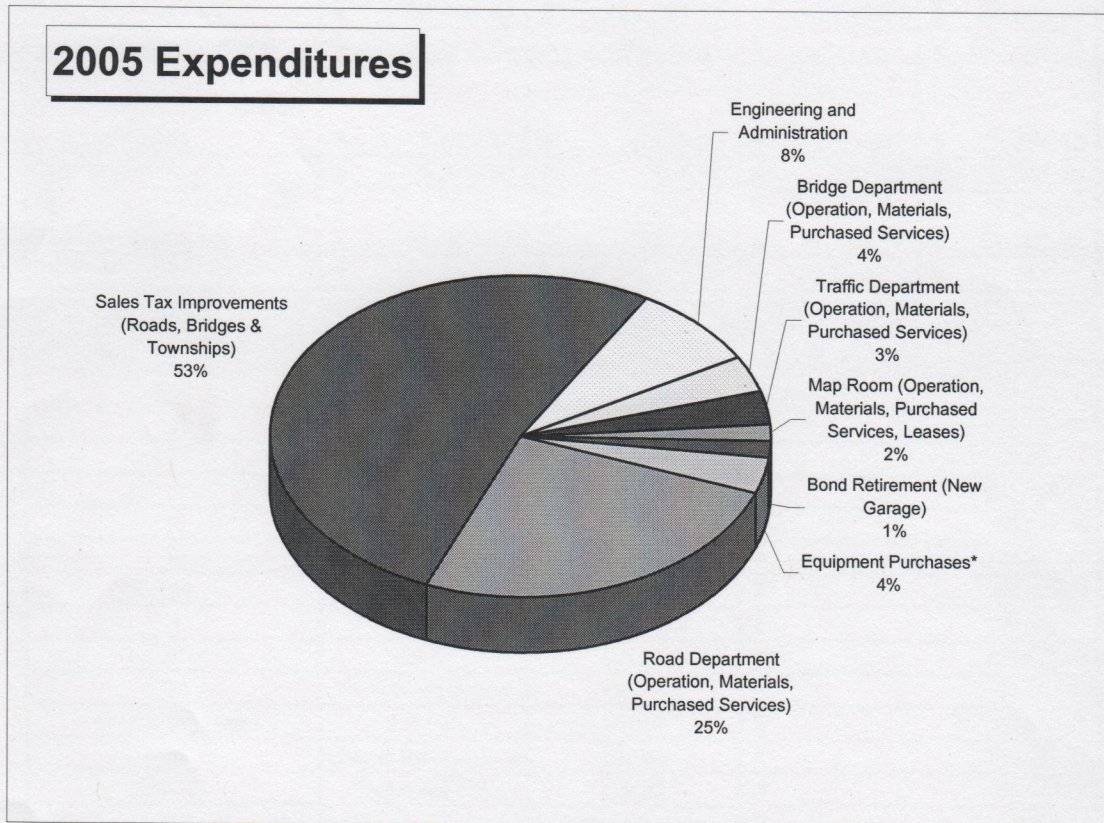
There are 39 bridges with posted load restrictions. Sixty bridges are rated a 5 or less and many of the older structures continue to deteriorate as we replace others. Since 2001 (inclusive), we have replaced or performed extensive rehabilitation on 40 structures. Bridge material costs have increased 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 \$93.45 per square foot for estimating our bridge program.

2005 Revenues		
Sales Tax (Earmarked for Capital Improvement)	32%	\$ 2,472,931.15
ODOD Reimbursement	15%	\$ 1,147,080.07
Auto Registrations	20%	\$ 1,545,603.73
Ohio Gas Tax	27%	\$ 2,098,616.19
Other (Fines, Sales, Inspections)	3%	\$ 241,752.82
General Fund	1%	\$ 113,457.38
FEMA (Remibursment for snow and ice storms)	2%	\$ 120,255.00
Solid Waste Funds for road repairs	1%	\$ 50,000.00
Total		\$ 7,789,696.34



2005 Sales Tax	
Carryover from 2004	\$ 1,767,250.16
Income	\$ 2,472,931.34
Expenditures	
County Sales Tax Resurfacing Program (including culverts)	
Township Sales Tax Resurfacing & Chip Seal Program	
TR 61 Relocation to be reimbursed by ODOD grant	
Bridge 56-5.79 Replacement	
Bridge 35-2.97 Replacement	
Bridge 49-5.67 Replacement	
Bridge 76-1.27 Replacement	
Bridge 33-2.66 Replacement	
Bridge 46-4.31 Replacement	\$ 4,096,362.25
ODOD Reimbursement	\$ 1,147,080.07
Total Carryover	\$ 1,290,899.32

2005 Expenditures		
Road Department (Operation, Materials, Purchased Services)	25%	\$1,997,729.84
Sales Tax Improvements (Roads, Bridges & Townships)	52%	\$ 4,096,362.25
Engineering and Administration	8%	\$655,277.06
Bridge Department (Operation, Materials, Purchased Services)	4%	\$281,668.03
Traffic Department (Operation, Materials, Purchased Services)	3%	\$ 273,671.91
Map Room (Operation, Materials, Purchased Services, Leases)	2%	\$132,089.71
Bond Retirement (New Garage)	1%	\$ 113,457.38
Equipment Purchases*	4%	\$ 292,228.34
Total		\$ 7,842,484.52



Major Equipment Purchased in 2005	
(2) 3/4 ton 4X4 Pickup Trucks	\$ 42,253.68
(4) radios	\$ 3,715.00
2005 International Dump Truck	\$ 81,542.00
Spray System for #315	\$ 7,735.00
(2) mobile radios	\$ 1,869.00
Speaker horn for #345	\$ 287.00
2003 Gradall Excavator	\$ 81,657.81
Link Belt Excavator	\$ 73,168.85
Total	\$ 292,228.34

2005 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 2005, working ahead for the 2006 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 2005 Expenses

	Labor	Amortized Equipment	Materials and Contractor Work	Total
Mowing	\$ 48,683.12	\$ 55,686.40	\$ -	\$ 104,369.52
Hand Patching	\$ 4,793.33	\$ 2,398.90	\$ 6,807.08	\$ 13,999.31
Durapatching	\$ 28,064.92	\$ 21,929.60	\$ 13,948.60	\$ 63,943.12
Tree & Brush Removal	\$ 99,563.76	\$ 40,920.47	\$ -	\$ 140,484.23
Culvert Repair & Replacement (not related to resurfacing)	\$ 7,531.32	\$ 9,562.83	\$ 10,189.97	\$ 27,284.12
Sign Repair	\$ 5,578.52	\$ 604.95	\$ 781.73	\$ 6,965.20
Sign Repair (Vandalism)	\$ 6,967.61	\$ 692.85	\$ 2,311.63	\$ 9,972.09
Sign Replacement	\$ 31,504.33	\$ 2,117.10	\$ 17,741.54	\$ 51,362.97
Snow and Ice Control	\$ 121,468.23	\$ 124,357.32	\$ 132,525.62	\$ 378,351.17

2005 County Sales Tax & Regular Paving Program Completed

ROAD #	Begins	Ends	Total Cost
119	SR 292	CR 120	\$ 80,756.85
120	CR 26	CR 48	\$ 149,127.63
277	CR 153	Union Co. Line	\$ 67,459.22
12	CR 50	TR 115	\$ 175,355.27
15	CR 44	SR 287 & CR 41	\$ 61,043.69
44	CR 15	TR 160	\$ 135,219.47
158	SR 559	SR 287	\$ 96,822.28
4	RR	Miami River	\$ 109,897.13
37	CR 61	CR 39	\$ 275,031.45
39	TR 56 Pvmnt Change	CR 37	\$ 43,261.82
49 (Tipping Fees)	CR 105	CR 39	\$ 58,885.01
64	Champaign Co. Line	CR 63	\$ 132,087.38
222	Huntsville Ecl.	CR 39	\$ 26,955.98
153	CR 277	Union Co. Line	\$ 56,056.12
265	SR 274	CR 120	\$ 2,392.50
Grand Total			\$ 1,470,351.80

2005 County Issue II Paving Program Completed

ROAD #	Begins	Ends	Total Cost
12	TR 115N	SR 292	\$ 56,162.52
20	CR 12	Union Co. Line	\$ 287,098.72
48	CR 12	SR 292	\$ 178,343.97
48	CR 142	Union Co. Line	
50	CR 12	SR 292	\$ 129,564.00
125	SR 47	Union Co. Line	\$ 60,230.15
3	Shelby Co. Line	End of Co. Maint.	\$ 39,321.47
10	SR 292	CR 154	\$ 34,011.31
91	CR 54	CR 130	\$ 255,727.18
Grand Total			\$ 1,040,459.32

2005 County Chip and Seal Program Completed

Road	Begins	Ends	Labor	Equipment	Materials	Total
146	CH 29 WEST TR 29 WEST	TR 147 N.	\$ 1,226.75	\$ 1,082.20	\$ 6,912.35	\$ 9,221.30
153	Zanesfield Corp.	SR 292	\$ 6,243.52	\$ 5,235.05	\$ 25,863.32	\$ 37,341.89
153	CH 28 S.	TR 147 S.				
153	US 33	CH 146 S.				
153	CH 152	CH 277				
44	TR 160 SOUTHEAST	CH 277	\$ 2,379.52	\$ 1,925.85	\$ 8,451.95	\$ 12,757.32
28	CH 41 EAST	CH 168 W.	\$ 2,827.79	\$ 2,108.80	\$ 9,487.21	\$ 14,423.80
28	CH 29 Pickrelltown	US 33				
41	Logan-Champaign Co. line CH 28	SR 287	\$ 1,218.17	\$ 1,011.90	\$ 4,823.48	\$ 7,053.55
168	Logan-Champaign Co. line	CH 28	\$ 948.21	\$ 770.10	\$ 3,574.47	\$ 5,292.78
Eng. Lots	VARIOUS	VARIOUS	\$ 3,382.09	\$ 2,530.25	\$ 8,894.00	\$ 14,806.34
18	TR 45 W.	CH 11 END	\$ 5,216.47	\$ 4,227.00	\$ 20,449.02	\$ 29,892.49
9	SR 47	Rushsylvania South Corp.	\$ 7,906.52	\$ 5,624.20	\$ 32,152.18	\$ 45,682.90
25	CH 9	SR 274	\$ 6,261.80	\$ 5,040.02	\$ 25,500.22	\$ 36,802.04
25	CH 5	SR 47				
31	SR 508	CH 11	\$ 5,386.22	\$ 4,345.35	\$ 22,272.91	\$ 32,004.48
8	SR 540	SR 47, CH 142 W. Mansfield Corp.	\$ 3,852.79	\$ 2,757.70	\$ 13,337.30	\$ 19,947.79
26	CH 5	SR 292	\$ 3,960.04	\$ 2,472.10	\$ 17,469.99	\$ 23,902.13
50	CH 5 & TR 110 N.	CH 12 N.	\$ 1,502.09	\$ 1,048.60	\$ 6,906.76	\$ 9,457.45
118	CH 9	CH 20 N.	\$ 1,163.32	\$ 773.50	\$ 2,896.59	\$ 4,833.41
20	CH 118 Rushcreek Twp.	CH 12	\$ 1,995.96	\$ 1,299.40	\$ 10,268.11	\$ 13,563.47
39	TR 100 W.	CH 97	\$ 3,646.44	\$ 2,616.15	\$ 14,506.97	\$ 20,769.56
39	CH 259	S. Corp. Line Belle Center				
49	CH 57	SR 274	\$ 2,766.34	\$ 1,980.30	\$ 10,518.95	\$ 15,265.59
97	CH 39	CH 96 W.	\$ 476.02	\$ 356.00	\$ 1,198.75	\$ 2,030.77
52	Shelby County	CH 54	\$ 2,621.17	\$ 2,156.15	\$ 11,653.05	\$ 16,430.37
53	SR 274	CH 52 END	\$ 1,869.53	\$ 1,476.75	\$ 7,683.96	\$ 11,030.24
87	TR 84 S.	TR 83 S.	\$ 973.19	\$ 719.60	\$ 3,482.38	\$ 5,175.17
91	SR 235	CH 54 Lewistown	\$ 1,758.19	\$ 1,340.75	\$ 6,864.25	\$ 9,963.19
96	SR 117	CH 97	\$ 2,306.77	\$ 1,770.07	\$ 9,961.63	\$ 14,038.47
106	Belle Center Corp. Line	Logan-Hardin Co. Line	\$ 667.30	\$ 472.50	\$ 2,985.28	\$ 4,125.08
113	US 68	West Corp. Rushsylvania	\$ 1,838.71	\$ 1,338.60	\$ 7,934.24	\$ 11,111.55
225	Shelby-Logan Co. Line	CH 23	\$ 667.05	\$ 491.85	\$ 1,987.62	\$ 3,146.52
Total Chip & Seal Program					**	\$ 430,069.65

**\$41,346.90 was provided by Asphalt Materials Inc. to reseal roads experiencing failure of asphalt in 2004.

2006 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, 2006, the proposed resurfacing and chip-seal programs for the County are as follows:

2006 Proposed County Resurfacing Program		
ROAD #	Begins	Ends
154	CR 10	SR 347
144A	SR 347	CR 144
144	CR 144A	CR 152
144	CR 152	SR 287
144	JOINT	SR 287 Life Light Removal
124	CR 142	CR 26
124	CR 26	UNION CO. LINE
40	SR 292	TR 115
40	TR 115	TR 114
40	TR 114	SR 274
139	Hardin Co. Line	UNION CO. LINE
5	SR 47	CR 26 E.
5	CR 26 E.	CR 136
5	CR 136	CR 118
5	CR 118	CR 20
5	CR 20	CR 50
103	SR 68	CR 102
38	SR 117	CR 254
96	CR 38 S.	SR 117
49	CR 105	TR 108 W.
49	TR 108 W.	TR 101
49	TR 101	SR 274
270	Lakeview NCL	CR 87
270	CR 87	US 33
61	SR 274	CR 37
54	CR 61	CR 91
54	CR 91	TR 213
54	TR 213	TR 215
54	TR 215	SR 235
35	SR 235	TR 74
35	TR 74	TR 75
35	TR 75	SR 47
Ohio Valley Tr. Park		
Logan Road	CR 130	Harrison Road
Harrison Road	Dead End	Logan Road

2006 Proposed County Chip Seal Program					
Road #	Begins	Ends	Road #	Begins	Ends
17	CH 23	SR 720 (SANTE FE)	58	CH 21	TR 207
17	SR 720 (SANTE FE)	CH 87 EAST	59	LOGAN-SHELBY CO LINE	TR 23 SOUTH
17	CH 87 EAST	AUGLAIZE CO IDLE ROAD	59	TR 23 SOUTH	TR 23 NORTH
21	CH 24 PLEASANT TWP	CH 77 WEST	59	TR 23 NORTH	TR 34 NORTH
21	CH 77 WEST	TR 78 WEST	59	TR 34 NORTH	CH 34 SOUTH
21	TR 78 WEST	CH 58	59	CH 34 SOUTH	CH 35 NORTH
21	CH 58	CH 59 WEST & TR 59 EAST	59	CH 35 NORTH	TR 35 SOUTH
21	CH 59 WEST & TR 59 EAST	CH 13 EAST	59	TR 35 SOUTH	TR 53 NORTH
21	CH 13 EAST	CH 60 (BLOOMCENTER)	59	TR 53 NORTH	CH 21
21	CH 60 (BLOOMCENTER)	TR 80	77	CH 34	TR 35
21	TR 80	SR 274	77	TR 35	CH 21
23	SR 274 resume	TR 225	255	SR 235	SR 235
23	TR 225 WEST	CH 52	60	LOGAN-SHELBY CO LINE	TR 23
23	CH 52	CH 17 LOGAN-AUGLAIZE CO LINE	60	TR 23	TR 34 SOUTH
54	SR 720	CH 52 WEST TR 52 EAST	60	TR 34 SOUTH	CH 35
54	CH 52 WEST TR 52 EAST	TR 240 EAST	60	CH 35	TR 53 NORTH
54	TR 240 EAST	SR 274	60	TR 53 NORTH	TR 53 SOUTH
54	SR 274	TR 80 WEST	60	TR 53 SOUTH	CH 21 BLOOMCENTER
54	TR 80 WEST	CH 60 SOUTHWEST	60	CH 21 BLOOMCENTER	TR 79 SOUTH
54	CH 60 SOUTHWEST	SR 235	60	TR 79 SOUTH	CH 54 END
58	LOGAN-SHELBY CO LINE	CH 23 SOUTH & TR 23 NORTH	27	SR 235	TR 207
58	CH 23 SOUTH & TR 23 NORTH	CH 34	27	TR 207	SR 235
58	CH 34	TR 35 NORTH	27	SR 235	TR 207
58	TR 35 NORTH	CH 21	27	TR 207	SR 235

2005 BRIDGE PROGRAM

Our Bridge Crew again 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 1, 2006, all of the annual bridge inspections were complete. The Bridge Crew replaced 6 structures and performed significant repairs to several other structures.

Structures Replaced:

- Township Road 56-5.79 Bridge Replacement
- Township Road 76-1.27 Bridge Replacement
- Township Road 49-5.64 Bridge Replacement
- Township Road 33-2.66 Bridge Replacement
- Township Road 46-4.31 Bridge Replacement
- County Road 88-1.27 Bridge Replacement

2006 BRIDGE PROGRAM

In the 2001 renewal of the sales tax for roads and bridges, the priority was based on condition. Therefore, the 2006 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 24, 2006, the proposed Bridge Program is as follows:

- Township Road 85-0.26 Bridge Replacement
- Township Road 35-4.24 Bridge Replacement
- County Road 124-0.43 Bridge Replacement
- Township Road 242-0.21 Bridge Replacement
- Township Road 99-0.87 Bridge Replacement
- Township Road 213-1.35 Bridge Replacement
- Township Road 178-0.14 Bridge Replacement
- County Road 153-0.22 Bridge Replacement
- County Road 173-0.12 Bridge Replacement
- Township Road 75-0.80 Bridge Replacement
- Township Road 137-0.49 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 6,967. 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 operation 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 2005, they processed approximately 270 new property splits and checked over 2,900 deeds transferring property. They also checked approximately 55 easement and right-of-way documents, reviewed 9 new subdivision plats, and created approximately 150 new house numbers. They also checked over 350 new surveys and provided over 2,250 deed pre-approvals of legal descriptions.

This year we will be acquiring new aerial photography of the entire County. The new photography is expected to be available in summer of 2006.

BUILDING AUTHORITY

Permits for new home construction were down as they were for most of the state. The start of 2006 seems to indicate a slight increase in new starts, although the middle of the year will provide a better indication. Total inspections were down due to the decrease in permits. Special inspections had a significant drop due to the fact we incorporated those into the applicable area of inspection type. An example would be underground HVAC or electrical, which were shown before as special inspections. These types of inspections will fall under the applicable area. Code revenue is down since we no longer sell these materials to the public. Total revenue and expenditures were both down as reflected by the decrease in permits issued. Supply expense dropped due to stocking up at the end of 2004. Equipment expense dropped sharply because of the new vehicle expense at the beginning of 2004. Other expenses were up due to the new Tracking Program. Total new home valuation (based on permits for new homes we do complete inspections on - Unincorporated area of the County and City of Bellefontaine only) was down, as were new home starts. The average valuation of a new home start rose which is reflective of the rise in cost for materials.

Permits should stay constant with maybe a small increase as indicated by the first month of 2006. Expenditures will likely increase due to the new state mandates, although the increase may not come about until the beginning of 2007. Fees will likely have to increase to make up for the mandates. There is new legislation on Manufactured Homes in the making and some rumblings about appeals to the state on the new mandates. We will keep you updated when we know anything definite.

Revenue			
	2005	2004	% of Change
Permit Revenue	\$ 80,050.00	\$ 100,675.00	-20.5%
Contractor Registrations	\$ 25,650.00	\$ 22,250.00	15.3%
Plumbing Inspection Fees	\$ 16,380.00	\$ 16,145.00	1.5%
Reinspect Fees	\$ 1,225.00	\$ 1,375.00	-10.9%
Code Books	\$ -	\$ 372.80	-100.0%
Misc	\$ 370.00	\$ 1,813.58	-79.6%
Application Fees	\$ 7,375.00	\$ 9,150.00	-19.4%
Additional Permit Fees	\$ 850.00	\$ 250.00	240.0%
Total Revenue	\$ 131,900.00	\$ 152,031.38	-13.2%

Expenditures			
	2005	2004	% of Change
Total Salaries	\$ 90,799.78	\$ 87,663.02	3.6%
PERS, W/C & Medicare	\$ 13,469.26	\$ 13,082.76	3.0%
Supplies	\$ 3,395.26	\$ 6,520.20	-47.9%
Contract Services	\$ 6,820.23	\$ 7,975.91	-14.5%
Contract Repair	\$ 1,784.15	\$ 1,763.36	1.2%
Equipment	\$ -	\$ 10,834.15	-100.0%
Other Expenses	\$ 5,427.24	\$ 2,953.01	83.8%
Code Books	\$ 403.00	\$ 1,539.57	-73.8%
Total Expenditures	\$ 122,098.92	\$ 132,331.98	-7.7%

Permits Issued			
	2005	2004	% of Change
Total of New Homes	156	197	-20.8%
Total of New Mfg. Homes	11	12	-8.3%
Total of "Other" Permits	151	173	-12.7%
Plumbing Permits New Homes	7	17	-58.8%
Plumbing Permits (remodels)	8	7	14.3%
Total All New Dwellings	167	209	-20.1%
Total of All Permits	500	615	-18.7%

Inspections			
	2005	2004	% of Change
Building/Structural	1,472	1,417	3.9%
Electrical Inspections	767	857	-10.5%
HVAC Inspections	370	369	0.3%
Plumbing Inspections	529	522	1.3%
Special Inspections	1	233	-99.6%
Total Reinspections	425	367	15.8%
Total Inspections*	3,564	3,765	-5.3%

* Includes Reinspections

Home Valuation			
	2005	2004	% of Change
New Home Valuation	\$ 23,471,896	\$ 28,221,766	-16.8%
Avg. Valuation Per Home	\$ 140,550	\$ 135,023	4.1%

Averages			
	2005	2004	% of Change
Total Inspection Stops	1,668	1,838	-9.2%
Total Miles Driven	21,727	20,848	4.2%
Avg Inspections Per Stop	1.9	2.1	-9.5%
Avg Miles Per Stop	13	11.3	15.0%
Avg Revenue Per Stop	\$ 79.08	\$ 82.73	-4.4%
Avg Expenditure Per Stop	\$ 73.20	\$ 72.53	0.9%
Avg Revenue Per Permit	\$ 396.10	\$ 374.46	5.8%
Avg Expenditure Per Permit	\$ 366.66	\$ 328.37	11.7%
Avg Expenditure Per Inspection	\$ 38.90	\$ 34.54	12.6%

MOTOR VEHICLE REGISTRATIONS

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

2005 Logan County, Ohio Motor Vehicles Registrations	
Type of Registration	# of Units
Passenger Cars	34,826
Motor Homes	415
Motorcycles	2,278
House Vehicles	811
Mopeds	28
Non-Commercial Trailers	4,908
Non-Commercial Trucks	11,833
Farm Truck	309
Buses	47
Commercial Trailers	1,729
Non IRP Trucks	2,130
IRP Trucks	171
Total Vehicle Registrations in 2005	59,485
<i>Total Vehicle Registrations in 2004</i>	<i>60,411</i>

SOURCE: State of Ohio, Bureau of Motor Vehicles

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: www.co.logan.oh.us/engineer

EXECUTIVE SUMMARY

371.85 Miles of County Road

Excellent/Good Condition - 267.85 Miles

Fair/Poor Condition - 104 Miles

300 Bridges

39 Have Load Reductions Posted

37 Have a Sufficiency Rating Less Than 50%

4 are Closed

6,967 Signs

1,581 Culverts

Excellent/Good Condition - 1375

Fair/Poor/Unknown Condition - 206