



The Orange Brigade



Winter 2006/Spring 2007

Logan County Highway Dept.

Volume 32



Coleman's Comments

This year, we resurfaced 25.3 miles of county highways, sealed 32 miles of county highways, replaced or rehabilitated 9 bridges, and more than 20 culverts. Of the bridges that have been replaced in 2006, four had been closed to traffic and four could not carry school buses. We have also assisted the Township Trustees with the resurfacing of 21 miles and chip-sealing 39.2 miles of roads with a combination of sales tax, Ohio Public Works grant funds, and the Townships' own funds.

In 2006, we spent \$123,132.74 on snow and ice control during the calendar year, which is a significant decrease from \$378,351.17 in 2005. This includes 527.88 hours of overtime and 4,659.4 tons of grit. In January of 2005, 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. During 2006, our office continued the effort to remove dead, damaged, and potentially hazardous trees within the highway right-of-ways. We spent \$101,416.05 on tree and brush removal with over 2,769.16 hours of labor.

The Map Room and the Building Authority have been highly productive this year as well. The Logan County Building Authority issued 337 permits this year, of which, 171 were new dwellings. They also performed a total of 3,340 inspections at a cost of only \$38.99 per inspection in 2006. New home valuations totaled \$23,632,848. 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 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 provides highly accurate ground elevations for the entire county. We are currently working to make more survey data available through the County Engineer's Office website. Please watch for updates at <http://www.co.logan.oh.us/engineer/index.html>.

The engineering and administrative staff has overseen the construction and inspection of the SR 235 turn lane project as a part of the Honda Transmission Manufacturing expansion, reviewed the design plans prepared by the City of Bellefontaine

Engineer for the CR 1 hill cut to accommodate the extension of Gunntown Road, designed all of the bridges and large culverts replaced in 2006, 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 2006, we received \$ 1,245,749.93 in state and federal grant assistance and applied for \$ 709,876 in grants for future projects.

In the fall of 2006, we asked the citizens of Logan County to continue to fund the local transportation system by renewing the ½ percent sales tax for roads and bridges for another five year term. While planning the renewal proposal we recognized the needs of the municipalities within the county and included them in the funding plan for the renewal. The county commissioners were also interested in providing a portion of the renewal for economic development and land use planning. The proposal presented to the public was for 66 % of the funding to be provided for county roads and bridges, 14 % for township roads and bridges, 14% for municipal roads and bridges, and 6 % for long-term economic development and land use planning. On November 7, 2006, the community once again expressed their support for our local transportation system by voting to renew the ½ % sales tax. Collection of the renewed tax under the new distribution plan will begin in October of 2007. We thank the community for their continued support of the highway system and their confidence in our staff.

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NEW HIGHWAY WORKERS

**M. Elliott Fullerton, Lakeview, Ohio.
Greg Kennaw, Bellefontaine, Ohio
Ramon Lianez, West Liberty, Ohio**

We are pleased to have Elliott, Greg, and Ramon join our team in the Logan County Highway Department.

WELCOME ABOARD!

"Coleman's Comments" (continued from page 1)

The road and bridges sales tax income for 2006 was \$2,502,729.32. Of these funds, 13.5 percent, \$337,868.46, will be provided for township roads and bridges. Beginning in September of 2007, 14 % of the monthly sales tax revenue will be set aside for township roads and bridges.

For 2007, we have scheduled another 31 miles for asphalt resurfacing and have planned a 30 mile chip-seal program to preserve the roads that have been resurfaced recently. We also plan to perform 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 2006. They will continue to work diligently to replace/rehabilitate 10 more bridges and complete maintenance work that is scheduled for 2007. Of the 10 bridges scheduled for replacement/rehabilitation in 2007, two are closed to all traffic and four cannot be crossed by school buses.

The Traffic Department has replaced 1,325 permanent signs in 2006. This past year, they placed 283 temporary construction signs, repainted 19 railroad and 8 school crossing zones, and trimmed brush around signs to provide clear sight distance. In 2007, the Traffic Department will be busy overseeing pavement markings, replacing damaged or vandalized signs, installing road construction signage, maintaining the sign inventory, and conducting a new traffic count study on all county roads and bridges.

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

EXECUTIVE SUMMARY

371.85 Miles of County Road

Excellent/Good Condition - 267.85 Miles

Fair/Poor Condition - 104 Miles

300 Bridges

40 Have Load Reductions Posted

27 Have a Sufficiency Rating Less Than 50%

3 are Closed

6,916 Signs

1,583 Culverts

Excellent/Good Condition - 1,384

Fair/Poor/Unknown Condition - 199

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 preparation for the 2007 resurfacing program, trimming trees and brush from the right-of-way, cleaning road ditches, and re-grading roadway shoulders. 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 31 miles of resurfacing with asphalt concrete and plan to seal about 30 miles. We still have approximately 18 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. 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 219 miles of county highways.

We are continuing to make strides with our bridge program. With the replacement of 9 bridges in 2006, we are continuing to upgrade our overall bridge conditions. This year's bridge replacement schedule will reopen 2 bridges that have been closed to all traffic and 4 bridges that school buses are currently unable to cross due to weight restrictions.

There are 40 bridges with posted load restrictions. Forty-nine 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 49 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 \$96 per square foot for estimating our bridge program.

2006 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, 2007, all of the annual bridge inspections were complete. The Bridge Crew replaced 10 structures and performed significant repairs to several other structures.

Structures Replaced:

- 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 Rehabilitation
- County Road 153-0.22 Bridge Replacement
- Township Road 75-0.80 Bridge Replacement

2007 BRIDGE PROGRAM

In the 2001 renewal of the sales tax for roads and bridges, the priority was based on condition. Therefore, the 2007 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 5, 2007, the proposed Bridge Program is as follows:

- 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 49-5.93 Bridge Rehabilitation
- Township Road 126-1.39 Bridge Replacement
- Township Road 192-0.43 Bridge Replacement
- Township Road 89-1.25 Bridge Replacement
- County Road 173-0.12 Bridge Replacement

2006 REVENUES

| | | |
|---|-----|------------------------|
| Sales Tax (Earmarked for Capital Improvement) | 34% | \$ 2,502,729.32 |
| ODOD Reimbursement | 9% | \$ 652,919.93 |
| Auto Registrations | 21% | \$ 1,577,901.51 |
| Ohio Gas Tax | 31% | \$ 2,322,444.66 |
| Other (Fines, Sales, Inspections) | 4% | \$ 281,209.27 |
| General Fund | 1% | \$ 111,229.88 |
| FEMA | 0% | \$ 10,558.00 |
| Solid Waste Funds for Road Repairs | 0% | \$ ----- |
| Total | | \$ 7,458,992.57 |

2006 SALES TAX

| | |
|---|------------------------|
| Carryover from 2005 | \$ 1,290,899.32 |
| Income | \$ 2,502,729.32 |
| 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 153-0.22 Replacement | |
| Bridge 137-0.49 Replacement | |
| Bridge 85-0.26 Replacement | |
| Bridge 124-0.43 Replacement | |
| Bridge 242-0.21 Replacement | |
| Bridge 33-2.66 Replacement | |
| Bridge 99-0.87 Replacement | |
| Bridge 253-0.50 Replacement | \$ 2,915,192.69 |
| ODOD Reimbursement | \$ 652,919.93 |
| Total Carryover | \$ 1,531,355.88 |

Employee Birthdays

"HAPPY BIRTHDAY"

January

Jackie Norviel
Matt Archer
Harvey Grimes

February

Michael Reffitt
Jayma Burkhammer
Carolyn Grimes

March

John Spencer
Michaela Brunke
John Berry
Sam Ragland

April

Mark Hilty
Bob Simmons
Suzanne Yoesting

May

Jim Logan
Dianne Gauder
Dan McMillen
Shirley Brunke
Joel Miracle
Scott Coleman

June

Curt Dill
John Cummins
Bob Schrader
Keith Price

"HAPPY BIRTHDAY"

Work Anniversaries - 2007

January

Ron Hanson - 18 Years
Greg Dappert - 3 Years
Bob Simmons - 14 Years
John Spencer - 9 Years

February

Jackie Norviel - 28 Years
Shane Long - 10 Years
Keith Price - 10 Years
Jim Logan - 10 Years
Kristin Knight - 6 Years

March

Butch Banning - 25 Years
Dianne Gauder - 4 Years

April

Shirley Brunke - 25 Years
Jayma Burkhammer - 8 Years

May

Curt Dill - 28 Years
Dick Cooksey - 18 Years
Suzanne Yoesting - 13 Years
Dennis Stryker - 9 Years
Matt Archer - 2 Years
Steve Tracey - 2 Years

June

Larry Artis - 20 Years
Todd Coleman - 10 Years
Mark Hilty - 10 Years

Notice to Employees - Payroll Direct Deposit Available

Direct Deposit forms are available in the main office.

Recent Promotions

Matt Archer - Highway Worker 1
Jeremy Burrey - Highway Worker 3
Steve Tracey - Highway Worker 1
Greg Swonguer - Highway Worker 3

"Congratulations!"

Logan County Engineer
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*Please circulate this in your offices.
Thank You!*



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