

2005 BRIDGE PROJECTS

These Bridge Projects were performed completely by the Engineer's Office without any outside funding or outsourcing. 2006 will be another productive year for repairing deficient bridges in order to provide a safer highway system.

ROAD NAME	WORK PERFORMED
Cottage Hill Rd	Scour repair with concrete and dump rock
Southern Rd	Concrete Wingwalls added
Sunflower Rd	Repaired Abutments and new Wingwalls
Blackstone Rd	Repaired Abutments and new Wingwalls
Fattler Ridge Rd	Repaired Abutments
North Branch Rd	Replaced deck with new concrete deck
Wion Ridge Rd	New concrete Abutments and Wingwalls
Rider Rd	New concrete Wingwall
Wilkins Rd	New Concrete Abutments
Shannon Rd	Replaced Bridge with Culvert
Irish Ridge Rd	Scour repair with concrete
Blue Rock Rd	Piling repair
Raindrop Rd	Scour repair with concrete
Sally Rd	Replace Culverts adding new Headwalls



Shannon Rd old bridge removed



Shannon Rd new culvert installed



North Branch Rd before repair



North Branch Rd after repair



Sunflower Rd before repair



Sunflower Rd after repair

ROADWAY RESURFACING AND MAINTENANCE

2005 PROJECTS COMPLETED

ASPHALT RESURFACING	MILES	COST	MAINTENANCE	MILES
Fairview Road	1.11	\$39,562.54	Ditching	146.42
Mollies Rock Road	1.59	\$51,869.07	Chip - Seal	58.57
Creamery Road	5.88	\$230,144.49		
Boggs Road	3.39	\$133,126.12		
Old River Road	3.94	\$153,390.99		
Potts Lane	1.98	\$75,992.63		
TOTALS	17.89	\$684,085.84		

2006/2007 PROJECTS PLANNED

ASPHALT RESURFACING	MILES	MAINTENANCE (2006)	MILES
Bagley Road	4.11	Ditching	146.42
Licking Road	2.49	Chip - Seal	96.13
Military Road	1.13		
North Dresden Road	1.80	BRIDGES	SPAN
Old Coopermill Road	3.35	Cutler Lake Rd (2006)	50 FT
Dillon Falls Road	1.64	Cutler Lake Rd (2006)	70 FT
Jackson Road	2.52	Arch Hill Rd (2007)	69 FT
North Dietz Road	1.57	Green Valley Rd (2007)	58 FT
Pinkerton Road	2.65	Urban Hill Rd (2007)	81 FT
Wayne Ridge Road	3.92		
East Athens Rd	2.85		
Pleasant Valley Rd	6.11		
TOTALS	34.14		



Thank You For Reading The Muskingum County Engineer's Office Annual Report

MUSKINGUM COUNTY ENGINEERS OFFICE

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2005

MCEO ANNUAL REPORT

Special points of interest:

- > Doug Davis - New County Engineer in 2005
- > MCEO maintains 529.78 miles of roadway
- > MCEO maintains 420 bridges
- > Email us at: mceo@rroho.com

LOOKING BACK ON 2005

2005 was a busy year for the Muskingum County Engineer's Office (MCEO). Nearly 18 miles of county highways received a new asphalt surface, while 56 miles were chip and sealed. Also, it was essential to insure proper drainage to preserve roadway longevity by ditching along roadways. Highway crews ditched 147 miles of county roads in 2005, which was the first step toward a goal of ditching each county road every three years.



The Engineer's Office has made every attempt to be fiscally responsible, while taking strides to do more planning of long as well as short term projects. By utilizing county crews, we have begun our goal of reducing the need for outsourcing of engineering and construction contracting. This will allow us to do more with less. Even with the FEMA disasters of 2004 and 2005, we have managed to end 2005 on a positive note with a 53% increase in carryover money over a year ago. These funds will permit the Engineer's Office to move forward with our long term improvement plans, while satisfying our short term goals of updating the condition of our equipment that is used to maintain the roadways.

BUDGET ANALYSIS

At first glance, it would appear that the 2005 budget for the Engineer's Office had increased due to the final phase of the 6 cent gasoline tax increase enacted by the state legislature. The total revenue received in 2004 topped \$5.5 million, while 2005 ended with more than \$6 million. The total revenue is somewhat deceiving, though, because Federal Emergency Management Agency (FEMA) dollars are not programmed funds for highway maintenance and inflate the budgetary amounts. In other words, the FEMA monies combined with a decrease in vehicle license tax revenues, paint a different picture. When these aspects are taken into account, the county engineer budget actually experienced a decrease of 7% in 2005.

In an effort to illustrate the relationship between the budget and FEMA's reimbursement of funds, it is important to understand the process. Throughout the fiscal year, FEMA came through with grant dollars to assist with flood damage at the end of 2004 and the beginning of 2005. These grant dollars are partial reimbursements for completed work and pending projects. Moreover, 75% of the total project is funded by FEMA, while Muskingum County must provide a local share of 25% until all projects are complete. The State of Ohio will then provide half of the 25% or 12.5% reimbursement to the County following completion of all work involved in the FEMA process. Consequently, FEMA dollars cannot be viewed as a contribution to a budget increase because the grant funds are simply meant to restore the infrastructure to pre-disaster conditions.

Furthermore, the revenue shortfall resulted in a concerted effort to manage highway maintenance and improvement activities in order to be fiscally responsible to the taxpayers of Muskingum County. It has been and will continue to be a challenge to maintain a vast highway system with limited funds that must be juggled very carefully in order to accomplish the tasks at hand and the goals for the future.

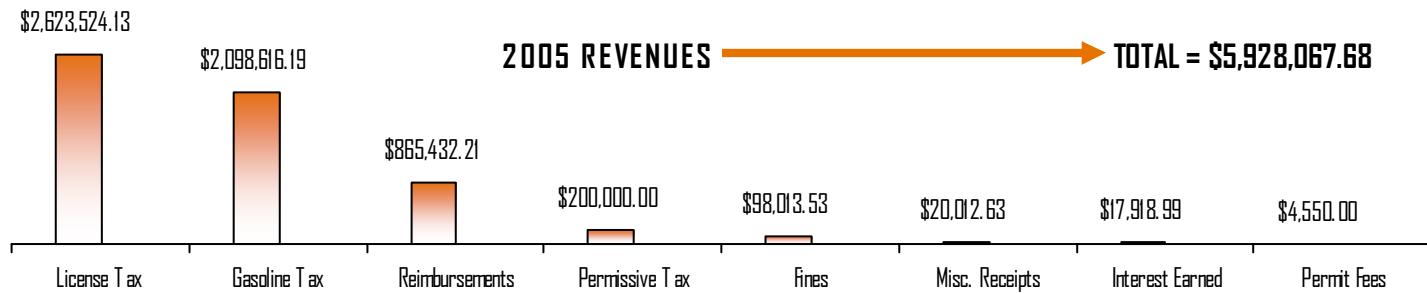
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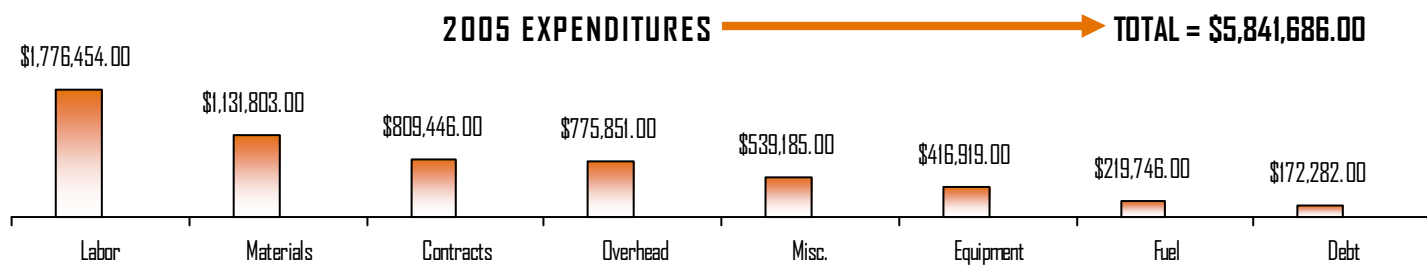
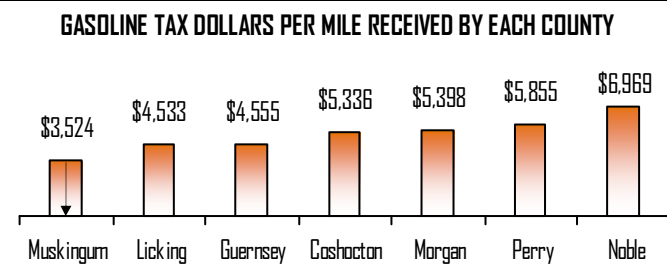
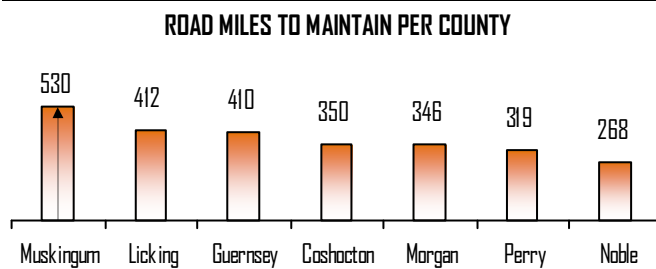
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DOUG DAVIS P.E.,P.S. - MUSKINGUM COUNTY ENGINEER



License Tax	44.26%
Gasoline Tax	35.40%
Reimbursements	14.60%
Permissive Tax	3.37%
Fines	1.65%
Misc. Receipts	0.34%
Interest Earned	0.30%
Permit Fees	0.08%

The majority of revenues received by the Engineer's Office comes in the form of Gasoline and Vehicle License Taxes. When you fill up your gas tank or visit the license bureau to renew or buy new license plates, The engineer's office receives a portion of those taxes after the funds are distributed at the state level. Since taxes are distributed on a state-wide basis, buying gasoline anywhere in Ohio will assist the Engineer's Office with improving and maintaining the highways within Muskingum County. All 88 counties in the State of Ohio receive the same share of gasoline taxes regardless of size or amount of road miles.



Labor	30.41%	- Payroll for highway and bridge crews, as well as office and administrative staff
Materials	19.37%	- Stone, Salt, Cinders, asphalt for patching, liquid asphalt for sealing, cold mix, culverts, & bridge materials
Contracts	13.86%	- Work by contractors, consultants (asphalt paving, bridge repairs, emergency road repairs, etc.)
Overhead	13.28%	- Retirement, Insurance, Worker's Compensation, Medicare, etc.
Misc.	9.23%	- Utilities, Office supplies, equipment maintenance, misc. items
Equipment	7.14%	- New equipment, equipment rental, repairs and preventative maintenance for the county highway fleet
Fuel	3.76%	- Gasoline and diesel fuel for trucks and equipment operated by highway crews
Debt	2.95%	- Debt paid on highway, bridge, and equipment loans

IMPROVEMENTS	GRANT FUNDS	COUNTY FUNDS	MAINTENANCE	COUNTY FUNDS	MAINTENANCE	COUNTY FUNDS
Asphalt Resurfacing	\$504,171.00	\$179,915.00	Mowing	\$223,398.00	Flagging/Traffic Control	\$108,941.00
Asphalt Paving (Misc. Repair)		\$23,081.00	Chip-Seal	\$236,328.00	Hauling Stone	\$351,261.00
Pleasant Valley Road Bridge Replacement	\$744,062.00	\$74,406.20	Ditching	\$485,196.00	Pothole Patching	\$157,376.00
Bridge Repairs		\$134,872.00	Snow/ Ice Removal	\$304,460.00	Berm/Shoulder Restoration	\$109,852.00
Culvert Replacements/Installations		\$171,665.00	Traffic Signs	\$34,883.00	Road Repair - Coldmix	\$310,543.00
Guardrail Repairs/Replacements		\$40,553.00	Tree/Brush Removal	\$267,908.00		
TOTALS	\$1,248,233.00	\$624,492.20	TOTALS	\$2,590,446.00		

2005 PROJECTS

2005 welcomed us with flooding rains and damage to the highway system that required repairs for which county funds were not available. Consequently, the County Engineer worked to discover other sources of funds to repair the roads. By working with the Ohio Department of Transportation and other state agencies that administer federal funds, the County Engineer secured more than \$2.5 million in funds to complete improvement projects on the highway system.



January Flood water frozen over Pleasant Valley Rd

FHWA—EMERGENCY RELIEF	
Old River Road CR6, embankment slip repair	\$823,156.00
Raiders Road CR616, slip and road repair	\$103,379.00
North River Road West CR3, culvert repair	\$62,731.00
Pleasant Valley Road, Cannelville Road, slip repairs	\$40,665.00
Richvale Road CR3, slip repair	\$36,989.00
Shannon Road CR48, slip repairs	\$146,138.00
North Dietz Road CR72, slip repair	\$19,504.00
TOTAL	\$1,332,562.00
BRIDGE PROJECTS	
Pleasant Valley Road CR408, bridge replacement	\$744,062.00
TRAFFIC STUDIES	
Speed Zone Studies for proper speed determination	\$24,000.00
F E M A - FLOOD DAMAGE FUNDS	
Numerous slips, bridge and culvert repairs (2005 Funds)	\$562,788.00
57 separate projects to complete	
TOTAL	\$1,330,850.00
TOTAL FEDERAL FUNDS 2005	\$2,663,412.00



Old River Road CR6, embankment repair



Old River Road CR6, after repair



Pleasant Valley Road, bridge before repair



Pleasant Valley Road, bridge after repair



Richvale Road CR3, slip before repair



Richvale Road CR3, during repair



Sally Road Bridge, before replacement



Sally Road Bridge, new culverts and headwalls



Shannon Road CR48, slip before repair



Shannon Road CR48, after repair



N River Road CR3, before embankment repair



N River Road CR3, after repair