

2015 Road Improvements

Coldmix—motorpave (2015)		
ROAD	LOCATION	LENGTH
Old River Rd	County line to Gaysport	3.60
Ransbottom Rd	Roseville corp. to Lambert Rd	1.71
Church Hill Rd	SR 93 to Burwell Rd	1.62
Total miles		6.93

Asphalt Resurfacing (2015)		
ROAD	LOCATION	LENGTH
Cutler Lake Rd	SR 60 to Buttermilk Rd	5.99
Moxahala Park Rd	Moxadarla Rd to Panther Dr	0.19
Total miles		6.18

2015 Resurfacing Costs

County Funds	State (OPWC)	Total Cost
\$297,170	\$566,709	\$863,879

2015 Bridge Projects

Cutler Lake Road
Rural Dale Road
Crock Road
Witch Hollow Road
North Branch Road
Coopermill Road
Lodge Road - 2 structures
Philo Bridge Repair
Coopermill Road
Total of \$1,093,755



Future Bridge Replacements

Hamby Hill Road	2015-2016	\$ 617,394
Grantcliff Road Bridge	2015-2017	\$ 2,705,000
Cannelville Road	2016	\$ 558,000
Cannelville Road	2017	\$ 406,000
Mollies Rock Road	2017	\$ 406,000
Lambert Road	2018	\$ 1,242,000
Philo Bridge	2019	\$ 15,000,000
Gaysport Bridge	2021	\$ 6,250,000
		\$ 27,184,394



2016 Planned Resurfacing

Coldmix—motorpave (2016)		
ROAD	LOCATION	LENGTH
Dietz Ln	Ellerman Rd to Millers Ln	3.30
West Carlisle Rd	Frazeysburg Corp to Co. Line	3.51
Lodge Rd	Norwich to Norfield Rd	2.50
Total miles		9.31

Estimated 2016 Resurfacing Costs

County Funds	State (OPWC)	Total Cost
\$140,537	\$399,990	\$540,527

MUSKINGUM COUNTY

MCEO 2015 ANNUAL REPORT

ENGINEER'S OFFICE

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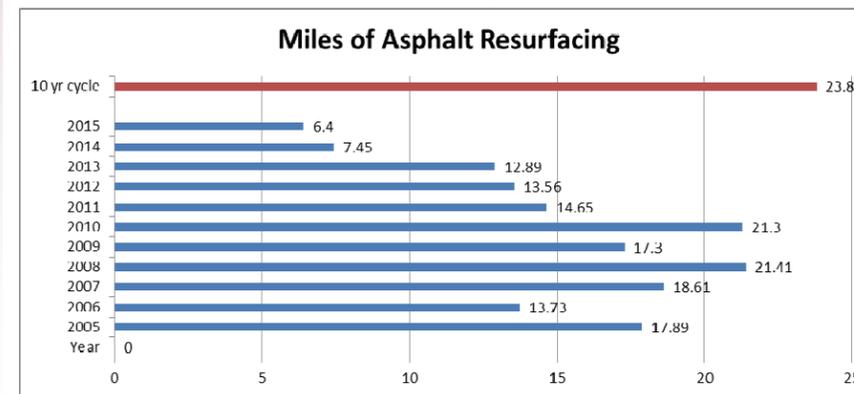
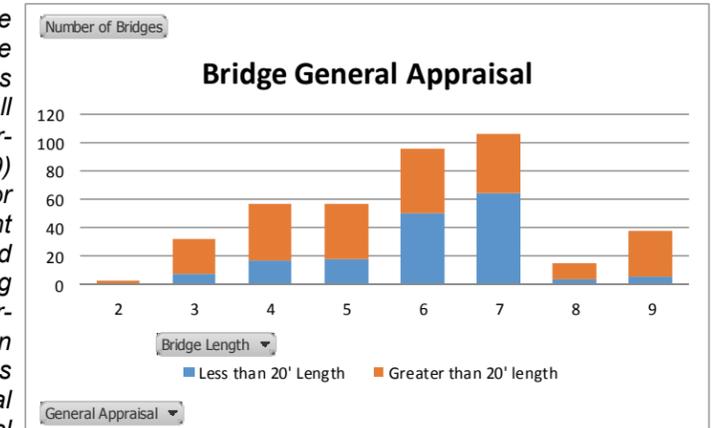
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State of the System

We started 2015 with 21 snow events between January 1 and March 7. During this timeframe our crews came in every weekend to plow and treat roadways. Our crews are our biggest asset and responded to the call. March came in like a lion and out like a lamb, and our crews went to work mowing, chip sealing, ditching, and replacing bridges and culverts.

We inspect every bridge each year, some more frequently to assure the safety of the traveling public. The inspection includes each component of the bridge and an overall rating, called general appraisal, is determined. A two (2) is critical up to a nine (9) which is excellent. Bridges rated a four (4) or below should be considered for replacement and those rated a three (3) or less scheduled for replacement. With no increase in funding sources since 2006, we continue to fall further behind on our bridge conditions. In 2015, ODOT replaced two (2) bridges through the partnership program on Rural Dale Road and Hamby Hill Road. Federal funds were also used for another bridge on Cutler Lake and the Grantcliff Bridge. We replaced six (6) structures with our bridge crew on Crock Road, Witch Hollow Road, North Branch Road, Coopermill Road and two on Lodge Road. We also completed a significant emergency repair to the Philo Bridge. Yet, at the end of 2015, we still have 92 or twenty-three percent (23%) rated critical to poor. Nineteen percent (19%) of our bridges are posted below legal loads, while our two Muskingum River bridges are now restricted. We were forced to make the Gaysport Bridge one-lane to avoid restricting the loads allowed to cross. The Philo Bridge is in critical condition and only able to carry loads up to 15 tons. Unfortunately, it may be necessary to restrict and close more bridges in the future without funds identified for replacement. Only bridges over twenty feet are eligible for federal funds; we typically are able to secure funds for 1 bridge each year. The Philo bridge is scheduled for replacement in 2019 and the Gaysport bridge is scheduled for 2021.

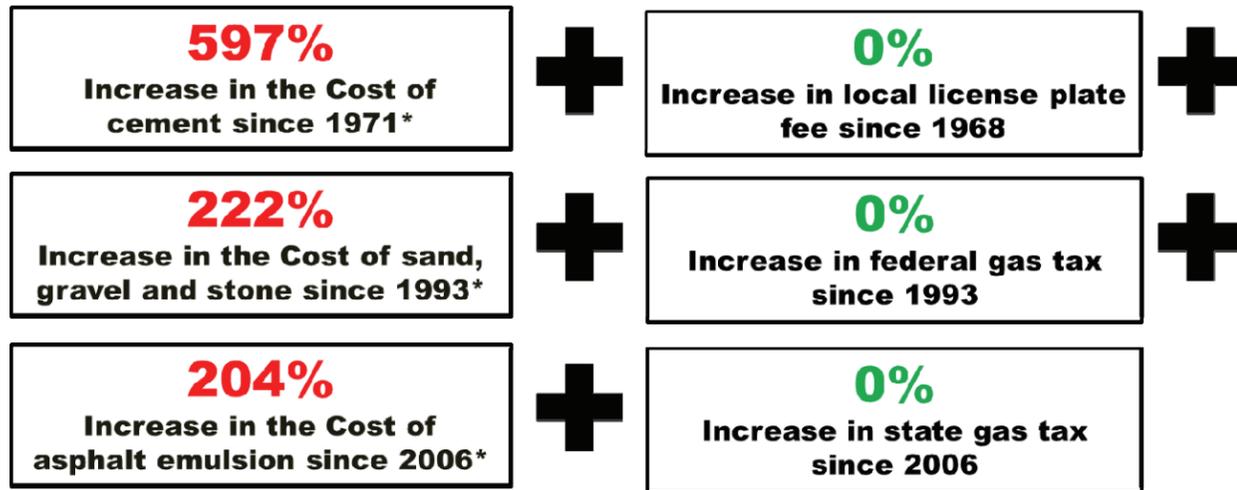


Pavements also suffer from flat revenues. We have a total of 527 miles of roadway. Ideally, we would resurface asphalt roadways every ten (10) years. We are currently 62 miles behind, which is twenty-six percent (26%) of our asphalt roadways. We actively seek grant funds and partnerships to support our resurfacing program. Last year, we were able to chip seal roads near The Wilds with funds

from ODOT's Office of Jobs and Commerce and the Zanesville-Muskingum County Visitors Bureau.

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

Transportation Funding Crisis



Threat to Our System

* Bureau of Labor Statistics, began tracking in 1971

Revenue Sources

Local license plate fee—\$5.00 per passenger car

- Local decision
- 2nd \$5 failed on the ballot in 2014
- No increase since 1968



Federal Gas Tax—18.4 cents/gallon

- Available thru grant applications only
- Compete for these funds at the state level
- No increase since 1993

State Gas Tax—28 cents/gallon

- Each county receives an equal amount every year regardless of their population or roadway network

NOT Revenue Sources



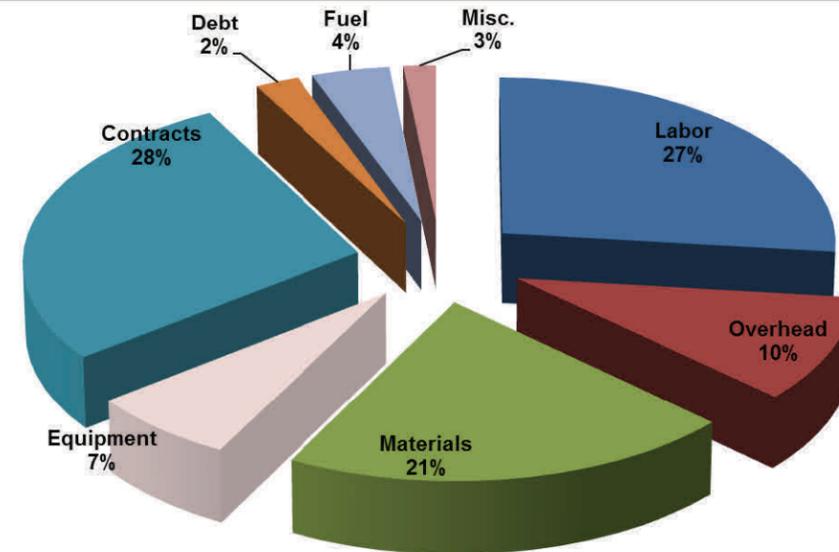
Gas taxes are per gallon whether the price is \$1.00 or \$5.00 gallon. So, when gas prices go up, people drive less and we receive less money. Also, when people drive more fuel efficient vehicles we receive less money.

Philo—Duncan Falls Bridge

Engineering has begun on this structure spanning the Muskingum River. A consultant has been surveying, completing environmental studies, developing estimates and structural alternatives for the new bridge. Currently, the project is scheduled for construction in 2019 for this vital link between Philo and Duncan Falls. Future public meetings will be scheduled to share information considered for various alternatives. The total estimated cost is 15 million. 12 million in federal funds are in place for the bridge, but approximately 3 million is still needed in local match to complete the project.



2015 Expenditures



Labor	\$ 1,917,605	Payroll for highway and bridge crews, as well as office and administrative staff.
Overhead	\$ 726,867	Retirement, Insurance, Worker's Compensation, Medicare, etc.
Materials	\$ 1,480,014	Stone, Salt, Cinders, asphalt for patching, coldmix and seal emulsion, bridge and culvert materials.
Equipment	\$ 487,892	New equipment, equipment rental, repairs and preventative maintenance for the county highway fleet.
Contracts	\$ 1,980,019	Work by contractors and consultants (road and bridge improvements)
Debt	\$ 160,904	Debt paid on highway, bridge, and equipment loans.
Fuel	\$ 285,057	Gasoline and diesel fuel for trucks and equipment operated by highway crews and supervisors.
Misc.	\$ 118,419	Utilities, signs and traffic control, safety items, office supplies, computers and software, misc. items

County Engineer Responsibilities:



527 Miles of County Roads



404 Bridges



Snow & Ice



Surveyor for County



Assist Townships

Completed by the County Engineer's Office:

**Chip sealed 6.21 miles of roadway, plus spot sealed 18 roads
Stoned and Graded with 3,562 tons material
Pothole Patched for 1,821 hours**

**Designed 6 Bridges
Replaced 7 bridges and large culverts
Removed 3 bridges, 2 replaced by ODOT Partnership and 1 closed
Installed 112 culverts, total length of 4,950 feet**

**4,120 man hours
18,422 tons material and 172,000 gallons of brine water
From January 1st to March 6th crews plowed and treated for 21 snow events**

**Surveyed for 11 future bridge and large culvert projects
Reviewed 1,456 deeds and 1,012 surveys**

Assisted 21 townships with 61 projects