

**2018 ANNUAL REPORT
OF THE CONDITION OF ROADS AND BRIDGES
RICHLAND COUNTY, OH**

Richland County Engineer, Adam Gove, P.E., P.S.



Richland County Engineer's Office

77 N. Mulberry Street
Mansfield, OH 44902
419-774-5591

Tax Map Office

Courthouse
50 Park Avenue East
Mansfield, OH 44902
419-774-5620

Richland County Highway Garage

395 N. Main St.
Mansfield, OH 44902
419-774-5839

Bellville Outpost

138 East St.
Bellville, OH 44813
419-886-3721

Shiloh Outpost

35 N. Walnut St.
Shiloh, OH 44878
419-896-2221

COUNTY HIGHWAY SYSTEM

The Richland County Highway System consists of 347 miles of County roads plus 360 bridges on both County and Township highways. The entire highway system and bridges has a replacement value of close of \$400,000,000. Our highway system is approximately equivalent to a road stretching from Richland County to Washington, D.C. or Chicago, Illinois. We try to keep on top of the repairs, maintenance, snow removal, etc. but if a motorist sees something unusual on a highway or bridge we would appreciate a call for us to check it out. You may call (419) 774-5594 between 7 AM and 3:30 PM weekdays (summer hours 6:30 AM and 5 PM, Monday thru Thursday) to report an item of concern. Remember, good roads contribute to safe highways.

SPEED LIMITS

Speed Limits on county highways are established by Ohio law and they are usually 55 mph. A speed limit sign for 55 mph does not need to be posted in order to be enforceable. If a speed limit needs to be reduced for safety reasons, a Speed Zone Study must be prepared to justify the speed limit change. The Richland County Commissioners and the Ohio Department of Transportation must review and approve any change in the speed limit on county highways. The Richland County Regional Planning Commission generally prepares the Speed Zone Study for the Richland County Engineer.

ROADS

In 2018, the County completed a newly developed Pavement Condition Rating (PCR) for all 347 miles of County Highway. This was a two year process in which every mile of roadway was rated on different factors. These factors included: surface type, cracking, rutting, base failure, potholes, pavement marking condition, etc.

2018 PCR SUMMARY		HIGHWAY MILEAGE IN RICHLAND COUNTY	
Poor Condition	66.9 miles	State Highways	262.3 miles
Fair Condition	143.7 miles	County Highways	347.7 miles
Good	62.8 miles	Township Highways (18)	577.5 miles
Excellent	77.5 miles	Cities & Villages	388.8 miles
Total	350.9 miles*	Total Mileage	1576.3 Miles

The PCR rating will be used to monitor pavement conditions, determine future maintenance, and determine the type of maintenance/resurfacing work that will be needed. Every couple years, roadways will need to be re-evaluated to determine current PCR values.

*The difference in mileage (347.7 inventory to 350.9 PCR) is due to those sections of roadway that have shared jurisdiction (½ of road is in County, other ½ is in municipality).



BRIDGES

Bridges on county and township roads are inspected at least once yearly under the direction of Chad Coward, P.E. of the County Engineer's Office. We are responsible for 360 bridges. Repair work and some bridge replacements, as needed, are performed by Kim Gosser, Bridge Foreman, and the Highway Department. Other bridge replacements are done by contractors.

Each bridge is rated as to its ability to carry trucks and automobiles safely across the structure. Signs are posted in advance of the bridge indicating the maximum vehicle weights for structures with reduced weight limits. Truck drivers and operators of heavy farm machinery should pay particular attention to the advance weight limit signs. It could prevent serious damage to the bridge or the vehicle, or both. Also, the Richland County Engineer issues oversize or overweight vehicle permits for those vehicles that are in excess of the legal size or weight requirements. When a permit is issued, operators will be advised of the route around these posted bridges. A relatively recent development is the use of Special Haul Vehicles on our highways. These vehicles, usually dump trucks with additional axles, can increase stresses in bridges by up to 30 percent more than other vehicles. Due to these new loading configurations several bridges have been posted with new weight restrictions in 2018.

BRIDGE STATUS BASED ON 2018 DATA

CONDITION	NO. OF BRIDGES	PERCENT(%)
New, Good	222	61.6%
Fair	87	24.2%
Poor	51	14.2%
TOTAL	360	100.0%
Posted Bridges	65	18%
Large Bridges (<20' Span)		
Small Bridges (10' to 20' Span)		
Functionally/Structurally Deficient (Narrow, Posted, and/or Poor Condition)	91	25%

RICHLAND COUNTY ENGINEER'S – MAJOR 2018 BRIDGE PROJECTS

<u>ROAD</u>	<u>TOWNSHIP</u>	<u>PROJECT</u>	<u>PROJECT COST</u>
Benedict	Worthington	Bridge Replacement	\$ 304,909.20
Hummel	Sharon	Bridge Replacement	\$ 302,239.19
Bellville North	Jefferson	Bridge Replacement	\$ 145,799.92
Leppo	Madison/Springfield	Bridge Replacement	\$ 180,334.52
Marion Ave.	Springfield	Bridge Replacement	\$ 178,388.37
Fleming Falls	Mifflin	Bridge Replacement	\$ 199,541.65
Hulit	Mifflin	Bridge Replacement	\$ 175,340.22
East Hanley	Monroe	Bridge Replacement	\$ 221,362.54
TOTAL			\$ 1,707,915.61

ADDITIONAL 2018 PROJECTS

Asphalt Resurfacing – 11 Miles	\$ 1,313,713.49
Highway Patching and Leveling (Material Only)	\$ 614,692.98
Various Culverts	\$ 117,558.97
Chip & Seal – 34 Miles	\$ 572,754.39
TOTAL	\$ 2,618,719.83

2018 REVENUES & EXPENDITURES

REVENUES

Motor Vehicle License	\$ 2,644,247.36
Gasoline Tax	\$ 2,417,403.95
Additional License Tax	\$ 979,753.20
Ohio Department of Transportation Funds	\$ 1,716,283.27
Ohio Public Works Commission Funds	\$ 659,467.15
Refunds & Reimbursements	\$ 54,422.33
Misc. Revenue, Interest, Etc.	\$ 73,902.92
Buggy Road Maintenance	\$ 12,003.00
Carryover from 2017	\$ 2,059,718.59
TOTAL AVAILABLE REVENUE	\$10,617,201.77

EXPENDITURES

Salaries	\$ 2,129,406.25
Insurance, Worker's Comp, Benefits, Etc.	\$ 830,021.91
Construction/Highway Equipment (Purchase & Rent)	\$ 343,833.49
Fuel and Oil	\$ 226,322.97
Operating Expenses (Equipment, Utilities, Tools, Safety Supplies, Services, Attorney Fees, Etc.)	\$ 217,662.21
Equipment Maintenance	\$ 259,682.25
Engineering Services, Studies	\$ 100,664.37
Non Contract Services (Drug Screening, Towing, Tree Removal, Etc.)	\$ 74,689.86
Road Salt	\$ 324,308.89
Road, Bridge Materials (Asphalt, Concrete, Steel, Stone, Etc.)	\$ 974,154.15
Right-of-Way Expenses	\$ 119,323.44
Loan / Bond Payments	\$ 144,617.74
Construction Contracts & Services	\$ 1,132,155.13
Ohio Department of Transportation for Construction of Road and Bridges	\$ 1,716,283.27
Ohio Public Works Commission for Construction Of Road and Bridges	\$ 659,467.15
TOTAL EXPENDITURES	\$ 9,252,593.08
PROJECT CARRYOVER TO 2019	\$ 1,578,219.79

BUGGY ROAD MAINTENANCE FUND

According to Ohio Revised Code Section 5501.53, Counties are able to receive donations from groups or individuals for maintenance of roadways in which animal-drawn vehicles travel. The Richland County Engineer received donations for the following amounts in 2018:

2017 Carryover	\$ 20,529.94
Fredericktown Buggy Fund	\$ 1,250.00
Amish Steering Committee	\$ 3,253.00
Mennonite Steering Committee	<u>\$ 7,500.00</u>
2018 TOTAL DONATIONS	\$ 12,003.00
Total Available	\$ 32,532.94
Used for Road Maintenance	\$ 25,000.00
2018 Carryover	\$ 7,532.94

These funds were used in 2018 for the resurfacing of Planktown North Road, Rome-Greenwich Road, and Pavonia North Road.

RICHLAND COUNTY ENGINEER'S BRIDGE PROJECTS – 2018



Hulit Road - Concrete Box Culvert



Kuhn Road - Concrete Box Beam Bridge



Benedict Road - Concrete Box Culvert



Bellville North Road – Concrete Box Culvert



East Hanley Road – Steel Beam Bridge (Rebuild)

RICHLAND COUNTY ENGINEER'S BRIDGE PROJECTS – 2018



Hummel Road – Concrete Box Culvert



Marion Avenue Road – Concrete Box Culvert



Leppo Road – Concrete Box Culvert



Fleming Falls Road – Concrete Box Culvert

RICHLAND COUNTY ENGINEER'S – 2019 PROJECTS

The list below is our expected projects that we plan to complete this coming construction season

<u>ROAD</u>	<u>TOWNSHIP</u>	<u>SECTION</u>	<u>WORK TO BE DONE</u>
Home	Troy	N of Lex-Springmill	Bridge replacement
Stenz	Sharon	W of Hummel Rd	Bridge replacement
Richland Run	Plymouth	N of Roush Rd	Bridge replacement
Kochheiser	Washington	E I-71 N Ramp	Bridge replacement
Oreweiler	Troy/Springfield	E of Bowers Rd	Bridge Replacement
Reynolds	Bloomington	S of ST RT 603	Bridge Replacement
Millsboro	Springfield	Home Rd to Lex-Springmill	Safety Improvement

Asphalt Resurfacing (Bowman Road) - 6.5± miles

Chip and Seal – 13.9 Miles

RETENTION BASINS

The Richland County Engineer Office is responsible for 12 retention basins in land subdivisions located in Springfield, Troy, Madison and Mifflin Townships. We provide at least one inspection of these retention basins annually plus arrange for repairs, mowing, etc., as needed.

While our responsibilities for retention basins are not a major function of this office, it is still important for the safety and wellbeing of the citizens in the areas where these facilities are located.

STORM WATER DRAINAGE

Roadside ditches are a very important part of the pavement drainage system for our county highways. These road side ditches are maintained by the Richland County Highway Department. Drainage ditches that flow from or onto the county highways from private property are the responsibility of the property owner for maintenance, etc. The exception to this rule would be if the county has an easement of record to maintain a ditch on private property.

ADAM GOVE, P.E., P.S.
RICHLAND COUNTY ENGINEER
EMPLOYEES OF THE RICHLAND COUNTY ENGINEER

ENGINEERING OFFICE

Kevin Payne, P.E., P.S.	C. Delafon Luna, P.E., P.S.	Sheri Myers
Chad Coward, P.E, S.I.	Matthew Christian	Wilma Marquis

TAX MAP OFFICE

Elaine Riedel, Supervisor	Jennifer Thompson	Tricia Conroy
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HIGHWAY & BRIDGE DEPT.

Jon Dickinson, Road Superintendent	Jacob Gosser
Kim Gosser, Assistant Road Super/Bridge Foreman	Loretta Hartsel
Chad Swank, Mansfield Foreman	Lyle Hieber
Andy Orewiler, Maintenance Foreman	Heath Humphrey
Mike Schuster, Bellville Foreman	Richard Hursh
Jacob Eyerly, Shiloh Foreman	James King
Evan Benedict**	Charles Miller
Gary Bevier	Levi Miller**
Garry Bisel	Danny Montgomery
Jason Bright	Darren Mull
Andrew Burrer	Trent Neeley**
Brian Cook	David Seaman
Matthew Cook	Robert Swank
Edward Cotter**	Donald Traxler
Gail Fulk	Mark Wright
Hank Fultz	

**** New Hires**

2018 RETIREES

The Richland County Engineer's Office would like to thank these individuals for their years of service and dedication, and wish them well in their retirement.

Greg Bush	Ursula Brennstuhl	Steve Pore (Feb. 2019)
Ben Perzanowski (Jan. 2019)		