

**2020 ANNUAL REPORT
OF THE CONDITION OF ROADS AND BRIDGES
RICHLAND COUNTY, OH**



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

Richland County Engineer's Office

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

Richland County Highway Department

395 N. Main St.
Mansfield, OH 44902
419-774-5594

Richland County Tax Map Department

50 Park Avenue E.
Mansfield, OH 44902
419-774-5620

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 359 bridges on both County and Township highways. Our County highway system is approximately equivalent to a road stretching from Mansfield, Ohio to Chicago, Illinois. The County Engineer oversees the Highway Department and is responsible for the construction, maintenance, and repair of the 347 miles of roadway and the 359 bridges. This includes culverts, guardrails, signage, roadside drainage, pavement markings, mowing, and snow and ice control. 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 to check it out. You may call 419-774-5594 or 419-774-5591 between 7 AM and 3:30 PM weekdays (summer hours 6:30 AM and 5 PM, Monday thru Thursday) or visit our website, www.rcengineer.com to report an item of concern.

ROADS

The County keeps a record of pavement condition, called a Pavement Condition Rating (PCR), for all 347 miles of County Highway. These ratings are based on certain factors, including: surface type, cracking, rutting, base failure, potholes, pavement marking condition, etc. The PCR's were updated for maintenance and resurfacing work that occurred in 2020, as well as a reduction factor for deterioration that occurs over a year's time. The PCR rating is 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.

2020 PCR SUMMARY		2020 HIGHWAY MILEAGE IN RICHLAND COUNTY	
Poor Condition	84.6 miles	State Highways	262.3 miles
Fair Condition	101.8 miles	County Highways	347.7 miles
Good	49.2 miles	Township Highways (18)	577.1 miles
Excellent	114.5 miles	Cities & Villages	389.0 miles
Total	350.1 miles*	Total Mileage	1576.1 Miles

*The difference in mileage (347.7 inventory to 350.1 PCR) is due to those sections of roadway that have shared jurisdiction (½ of road is in County, other ½ is in municipality).



BRIDGES

Richland County bridges are inspected at least once yearly, as required by Ohio Revised Code. We are responsible for 359 bridges on County and Township Roads, as well as several Village and City Streets. Some repair work and bridge replacements are completed by the Highway Department, while others are done by contractors.

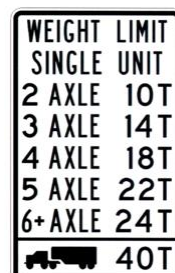
Each bridge is rated as to its ability to carry trucks and automobiles safely across the structure. Signs are posted in advance of the bridge indicating the maximum vehicle weights for structures with reduced weight limits. Truck drivers and operators of heavy farm machinery should pay particular attention 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 proper route around these posted bridges. A map of all the bridges under County jurisdiction is available on our website www.rcengineer.com under the Tax Map/GIS tab.



BRIDGE STATUS BASED ON 2020 DATA

<u>CONDITION</u>	<u>NO. OF BRIDGES</u>	<u>PERCENT(%)</u>
New, Good	232	64.6%
Fair	84	23.4%
Poor	43	12.0%
TOTAL	359	100.0%
Large Bridges (>20' Span)	184	51.3%
Small Bridges (10' to 20' Span)	175	48.7%
Load Restricted Bridges	78	21.7%
Functionally/Structurally Deficient (Narrow, weight restricted, and/or Poor Condition)	100	27.8%

Bridge load restrictions include a sign for Emergency Vehicles (EV's) because these vehicles tend to have a higher axle load than the typical 2 or 3 axle trucks. You will notice the signs below going up across the county as we update old load restriction signs and add the new signs.



2020 BRIDGE PROJECTS

<u>ROAD</u>	<u>TOWNSHIP</u>	<u>PROJECT</u>	<u>COST</u>
Wells	Bloomington	18' x 7' Concrete Box Culvert	\$178,973.67
Shelby-Ganges	Jackson	40' Single-span Concrete Box Beam	\$312,058.87
Pittenger	Weller	20' x 6' Concrete Box Culvert	\$198,556.02
Snodgrass	Springfield	14'-1" x 6'-2" Aluminum Box Culvert	\$159,421.45
Lohr	Sandusky/Troy	19' Single-span Steel Beam Rehab	\$62,755.48

ADDITIONAL 2020 PROJECTS

- Millsboro Road Culvert -
- Asphalt Resurfacing – Contract #1: 3.04 miles (Millsboro East, Lexington-Ontario) - \$462,212.70
- Asphalt Resurfacing – Contract #2: 4.73 miles (Windsor, Possum Run) - \$615,645.95
- Chip and Seal – 20.3 miles (Goon, Bangorville, London West and East, Horning, Darlington East, Bellville North, Town Line) - \$398,451.33
- Pavement Markings – Centerline: 89 miles; Edge Line: 59 miles - \$151,760.04
- Guardrail Replacement – 4,025+/- Linear Feet - \$137,340.23
- Other Highway Maintenance including: snow/ice control, patching, berming, ditching, mowing, culvert repairs/replacements, sign repairs/replacements, minor bridge repairs, tree removal/trimming, etc.

2020 PROJECTS



Shelby-Ganges Rd – Concrete Box Beam Bridge



Wells Road – Concrete Box Culvert



Pittenger Road – Concrete Box Culvert



Lohr Road – Steel Beam Replacement



Snodgrass Road – Aluminum Box Culvert



New Centerline Striping



New Guardrail Install

PROPOSED 2021 PROJECTS

Below is a list of 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>
Mock	Jefferson	W of St Rt 97	Bridge Replacement
Fleming Falls	Madison	E of Fifth Ave.	Bridge Replacement
Snake	Bloomington	E of Ganges-Five Points	Bridge Replacement
Stein	Sharon	E of St Rt 314	Bridge Replacement
Reynolds	Weller/Butler	E of St Rt 13	Bridge Replacement
Plymouth-Springmill	Jackson	S of Holtz Rd	Bridge Replacement

Guardrail Replacement – 6,375 +/- Linear Feet

Pavement Markings – 8 +/- miles

Asphalt Resurfacing (Horning, Washington N, Plymouth-Springmill, Bellville-Johnsville, Lexington-Ontario, Free) - 17 +/- miles

Chip and Seal – (Bowman, Windsor, Crider, Honey Creek, Renie) - 13 +/- miles

ANIMAL-DRAWN VEHICLE 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 2020:

2019 Carryover	\$ 21,068.35
Fredericktown Buggy Fund (Keim)	\$ 1,230.00
Amish Steering Committee (Yoder)	\$ 3,404.60
Amish Steering Committee (Weaver)	\$ 1,065.00
Mennonite Steering Committee (Martin)	<u>\$ 6,500.00</u>
2020 TOTAL DONATIONS	\$ 12,199.60
2020 Expenditures	\$ 0.00
2021 BEGINNING BALANCE	\$ 33,267.95

No funds were expended from this fund during 2020, as allowed by ORC 5501.53.A.2. These donations will be carried over to construction year 2021, where they are planned to be utilized on the resurfacing of Free Road and Bellville-Johnsville Road.

2020 REVENUES & EXPENDITURES

REVENUES

Motor Vehicle License and Registrations	\$ 2,566,331.65
Gasoline Tax	\$ 3,614,207.26
Permissive License Fee (\$10 Additional)	\$ 958,819.59
Federal/State Grants (Funds administered by Ohio Dept. of Transportation)	\$ 788,674.00
State Grants (Funds administered by Ohio Public Works Commission)	\$ 967,213.18
Reimbursements (Grant funds paid to the Engineer's Office)	\$ 81,444.97
Misc. Revenue (Interest, Traffic Fines, scrap, old equip., etc.)	\$ 61,097.46
Animal-Drawn Vehicle Maintenance Fund	\$ 12,199.60
Carryover from 2019	<u>\$ 1,951,755.45</u>
TOTAL AVAILABLE REVENUE	\$11,072,401.53

EXPENDITURES

Salaries	\$ 2,106,019.86
Benefits (Insurance, Worker's Comp, PERS, Etc.)	\$ 797,505.43
Construction/Highway Equipment (Purchase & Rentals)	\$ 348,387.55
Fuel and Oil	\$ 141,255.56
Road Salt	\$ 174,760.94
Engineering Services, Studies	\$ 233,480.40
Operating Expenses (vehicle maintenance/repair, utilities, tools, safety supplies, IT services, etc.)	\$ 567,802.38
Capital Expenses (Construction contracts, road and bridge materials, asphalt, concrete, stone, etc.)	\$ 2,186,472.40
Loan / Bond Payments	\$ 132,636.60
Federal/State Grants for Construction of roads and bridges (Administered by ODOT)	\$ 788,674.00
State Grants for Construction of roads and bridges (Administered by OPWC)	<u>\$ 967,213.18</u>
TOTAL EXPENDITURES	\$ 8,444,208.30

PROJECTED CARRYOVER TO 2021	\$ 2,628,193.23
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ADAM GOVE, P.E., P.S.
RICHLAND COUNTY ENGINEER

Employees of the Richland County Engineer

I want to personally thank all the employees listed below. 2020 was a difficult year, for obvious reasons. As essential workers, our employees continued to work on site, dealing with the many rules and restrictions that came with 2020. While it may have been difficult at times, I know that all these employees are thankful that they could continue working, as many were not as fortunate. I am proud of the work these employees accomplished and that we share the common goal of improving Richland County through our work on the County Highway System! And thank you to the public for recognizing our workforce and giving them ROOM to WORK on the roadways!

ENGINEERING OFFICE

Kevin Payne, P.E., P.S.	C. Delafon Luna, P.E., P.S.	Jacqueline Francis**(Apr. 2021)
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 DEPARTMENT

Jon Dickinson, Highway Superintendent
Kim Gosser, Assistant Superintendent/Bridge Foreman
Chad Swank, Mansfield Foreman
Andy Orewiler, Maintenance Foreman
Mike Schuster, Bellville Foreman
Jacob Eyerly, Shiloh Foreman
Robert Swank, Jr., Mansfield Foreman
Dylan Balcarcel** (Feb. 2021)
Evan Benedict
Garry Bisel
Jason Bright
Andrew Burrer
Brian Cook
Matthew Cook
Adam Dessecker
Gail Fulk

SEASONAL EMPLOYEES

Kolton Kissel
Connor Ladd

**** Denotes New Hire**

Hank Fultz
Lyle Hieber
Heath Humphrey
Richard Hursh
Jason Kemp
James King
Robert Knipp** (June 2020)
Charles Miller
Darren Mull
Trent Neeley
Leo Ringler** (Oct. 2020)
David Seaman
Alan Sheets
Donald Traxler
Mark Wright

Gannon Seifert
Calvin Smith

RECENT RETIREMENTS

The Richland County Engineer's Office would like to thank **Lori Hartsel** for her time with the County. Lori was only with us for a short 5 years, but she will be missed. Best wishes for a happy, healthy retirement!

In Memory of:

Our office was saddened to learn of the passing of Michael Cecil in March of 2021. Mike joined the Highway Department in December of 1988. Several years later (1997) Mike was promoted to an Engineering Tech position in the Engineer's Office. Here he would spend the next 21 years performing road and bridge construction inspection, until his retirement in 2018. Even after retirement, Mike would often visit the office or a construction site to catch up on the happenings around the county. Mike enjoyed living in Bellville with his wife Christie, having recently celebrated their 50th wedding anniversary. Mike had a big heart and many passions. He could often be found helping Christie with her antiques, clearing snow from the sidewalks downtown, tinkering with his El Camino or Corvette, or taking photos around Bellville, especially of the Bandstand. He was a member of the Bellville Masonic Lodge, where his true passion led him to help raise millions for the Special Olympics. Mike, a friend and family to many, will be greatly missed.



Be sure to check out the County Highway Map and the County Engineer's website @ www.rcengineer.com



This report is prepared by the Richland County Engineer as directed by Section 5543.02 of the Ohio Revised Code.