

Jackson County Engineer's 2021 Annual Report

In accordance with Section 5543.02 of the Ohio Revised Code, the County Engineer must provide an annual report to the Board of County Commissioners detailing the conditions of the county roads, bridges and culverts, along with an estimate of the funds necessary to maintain, repair, and construct such infrastructure. This annual report is a summary of everything we do here at the Jackson County Engineer's Office and the Jackson County Highway Department.

2021 Revenue:

Motor Vehicle Registration Fees	23.13%	\$ 1,308,626.75
Gasoline Tax	66.11%	\$ 3,739,694.30
Fines	1.01%	\$ 56,834.65
Miscellaneous (Scrap Metal, Interest, Fuel, CDBG, GOV DEALS, ODNR, Buckeye Rural Electric, Walmart, Hamilton Township, Commissioners-Vision, etc.)	2.01%	\$ 113,536.99
Reimbursements from grants (OPWC, FEMA, Sign Grant ODOT, CDBG Project, Worker's Comp, Buckeye Rural Electric, CORSA, Jury Duty etc.)	7.7%	\$ 437,931.01
TOTAL*	100%	\$ 5,656,623.70

* An additional \$ _____ in grant funding was paid directly to contractors and suppliers.

2021 Expenditures:

Payroll	31.2%	\$ 1,559,620.35
Fringe Benefits	11.1%	\$ 551,914.25
Overhead	3.6%	\$ 179,207.52
Debt on Loans	7.4%	\$ 368,367.75
Equipment, Parts & Repairs	9.4%	\$ 470,773.76
Fuel & Oil	3.1%	\$ 154,451.65
Road Materials	15.4%	\$ 767,210.55
Road Contracts	9.6%	\$ 477,543.82
Bridge Materials	8.3%	\$ 413,115.39
Bridge Contracts & Design	.9%	\$ 43,735.00
TOTAL*	100%	\$ 4,985,940.04

Roads:

During our 2021 snow and ice removal operations, crews worked 2326 combined total hours. We used 2159 tons of salt, 1521 tons of grit & 3390 gallons of liquid deicer for snow & ice removal. We used 454 tons of cold mix asphalt to repair holes on our county roads.

We were able to ditch / berm over 33 lane miles using the county road grader (Evans Rd, Camba Rd, Zane Oak Rd, Pyro Rd, Thurman Rd, Tom Parry Rd & Cherry Fork Rd). We also patched 55 lane miles with 1984 tons hot & cold mix asphalt (Pattonsville Rd, Keystone Furnace Rd, Loop Rd, Monroe Hollow Rd, Evans Rd, Camba Rd, Dixon Run Rd, Zane Oak Rd, Gallia Blackfork Rd & Bucklick Creek Rd). Our county crews were also able to pave over 38 lane miles using 5737 tons of hot mix asphalt with our paver (Bethel Ridge Rd, Boy Scout Rd, Loop Rd, Finley Chapel Rd, Glen Nell Rd, Hickory Grove Rd, Limerick Rd, Tom Parry Rd, Erwin Rd & Zane Oak Rd). These processes allowed us to repair or renew 93 of 588 lane miles of county roads in 2021.

Our county long reach boom mowers were able to mow brush back on over 89 county lane miles. We used contracted road side mowers again in 2021 and were able to complete 4 full rounds of road side mowing. Our county crews also sprayed 957 gallons of herbicide to maintain sign visibility. The sign program also installed or replaced 189 county road signs. Jackson County Highway crews also installed 1742' of plastic and corrugated metal pipes to upgrade our culvert infrastructure. The tree canopy program allowed us to trim over 44 county lane miles (Glade Rd, Cove Rd, Hickory Grove Rd, Finley Chapel Rd, Fairgreens Rd, Boy Scout Rd, Dan T Davis Rd, Smith Bridge Rd, Raysville Rd, Valley Chapel Rd, Glade Run Rd & Sour Run Rd).

In all 2021 was still challenging, but yet I'm extremely grateful and proud of our crews and staff. Their dedication has made Jackson County a better place. Thank you to all involved!

By: Andy Dickens, Road Superintendent

We were not able to do any contract paving this year.

The Jackson County Engineer's Office is responsible as an agent of the Jackson County Commissioners for monitoring the use of and coordinating the various utilities within the rights-of-way of the Jackson County Road System. The use of a permit system allows the County Engineer's Office to control the location, depth, and proximity of various utilities to the roadway pavement and roadway structures. These utilities include water, electric, phone, cable, and gas. In 2021, the Engineer's Office issued 55 utility permits.

Ohio Revised Code 5543.16 explains a property owner's requirements for driveways. We developed a driveway permit in 2019 so we could bring more awareness to people that driveways are the property owner's responsibility. The permit has detailed guidance as to our requirements for installing and maintaining a proper driveway. 25 driveway permits were processed in 2021.

G.I.S./Tax Map Department:

The Engineer's Office is responsible for maintaining up to date information on all parcels of land within the County. Our office staff works very closely with the Auditor's Office and the Recorder's Office. In 2021 the office reviewed and approved the content and mathematical accuracy of 179 land surveys of individual properties in accordance with Chapter 4733 of the Ohio Administrative Code. The office staff also assists the public and other governmental agencies in utilizing the records that we keep on file. Addressing for the county is also done through the Engineer's Office. 84 addresses were assigned in 2021.

Bridges:

The Engineer's Office is also responsible for the maintenance and repair of 264 bridges on Jackson County Roads and Township Roads with a span length equal to ten feet and greater. All the bridges must be inspected annually and an inspection report must be submitted to the Ohio Department of Transportation (ODOT). Needed repairs and replacement projects are prioritized during these annual inspections. The condition of our bridges in 2020 was as follows with 9 being the best condition down to a 0.

Ohio law requires the County Engineer to first perform a force account estimate on any bridge work to be performed. If the cost of the work on a bridge will exceed \$100,000, then the project must be bid out to a contractor. If the cost is estimated to be less than \$100,000, then the county crews can do the work themselves.

We had a bridge on Antioch Road (C-12-4.20) that failed in May of 2019, which was closed until we secured Ohio Public Works grant funding. We didn't get it back open until 1-11-2021. We also replaced two other bridges with this grant (C-57-0.26 and T-372-1.10).

We won our appeal against FEMA and were able to replace T-230-1.39 and we replaced a the pipe at Deer Man's with a box culvert with FEMA funding as well (C-57-1.21)

We replaced three bridges by force account out of our local budget: T-66-0.01, T-729-0.08 and C-17-0.06.

CDBG grant funding was used to replace a bridge on Limerick Road (C-25-3.00) and Number 12 Hollow (T-180-0.05).

Only being able to replace six to nine bridges on average a year is not enough to keep up with our failing infrastructure. We are using every possible means to stretch our valuable dollars but we are now simply having roads closed for extended periods of time due to lack of funding. I was forced to close two bridges on Ramey Drive (T-517-2.07 and T-517-2.94) and have no idea when I can secure funding to replace these structures. **This leaves people stranded when it floods over Hammertown Road.**

In 2022, the Ohio Public Works Commission (OPWC) grant and loan money will pay for the replacement or removal of seven bridges: Cherry Fork Road (C-6-1.81), Camba Road (C-15-1.91), Glade Run Road (C-57-2.02), Hardscrapple Road (T-190-1.66), Second Street in Byer (T-1008-0.14), Mercer Road (T-404-0.01), and Glen Nell Road (C-43-1.62).

Equipment:

In 2021 we were able to purchase two Ford F150 4x4 pickups, one Ram 1500 4x4 pickup, and a Kobelco SK85CS excavator. These were all paid for out of our local budget. We currently have 4 new Western Star dump trucks ordered.

I truly believe each and every one of my employees is a good steward of the public tax dollars we receive, and we strive to manage our funding as efficiently as possible while constantly exploring new and better ways of doing more with less. A huge THANK YOU goes to all of my employees for all of their long hours and hard work. We are all doing the best we can to maintain our roads and bridges with very limited funding.

Respectfully,

Melissa Miller, P.E., P.S.
Jackson County Engineer