

**Morgan County Engineer – 2022 Annual Report**  
**Stevan Hook PE, PS -**  
**Jan. 30, 2023**

In accordance with the provisions of the Ohio Revised Code an annual report must be submitted to the Board of County Commissioners summarizing the activities and accomplishments of the County Engineer’s office during a given calendar year. Before I get into the details of the 2022 Annual report; I want to address two items of importance.

- 1.) I want to thank all of the employees of the Morgan County Engineer’s Office and Garage for their work and support. Without their efforts and knowledge we would not have made it through the last couple of years as well as we have.
- 2.) As you know I had intended on retiring at the end of last January. However, with the resignation of my Deputy Engineer, that timeline has changed. My second candidate decided that he was satisfied where he was working and has turned the job down. I now have a third candidate who thinks he may be interested in holding the office.

The Morgan County Engineer’s Office is responsible for 344 miles of county highway which includes yearly maintenance, reconstruction projects, and winter snow and ice removal. This includes the responsibility for 202 bridges on County and Township roads. The County Engineer is also responsible for maintaining correct and accurate tax maps, oversees the administration of the Flood Plain Program, and the Planning Commission program.

To be able to fund this work the County Engineer’s Office receives its revenue from two major sources. The first is the gasoline tax which generated **\$3,700,502.54**. The second source is the general license plate fees that generated **\$877,359.55** and the \$5.00 license plate permissive fee which raised **\$63,930.40**. (This goes into the separate 016 account for the “Old Iron” Bridge). Plus some other miscellaneous sources of revenue (Sales of scrap metal and used equipment, refunds, and reimbursements for labor, materials, and equipment from townships and other vendors) our entire 2022 revenues were **\$5,292,296.53**

The detailed receipt breakdown follows.

**RECEIPTS – 2022**

License Tax -	\$ 877,359.55
Gas Tax -	\$3,700,502.54
Fines -	\$ 2,377.24
Sales -	\$ 13,845.06
Interest -	\$ 20,013.00
Reimbursements, Labor & Materials -	\$ 17,566.49
Refunds -	\$ 660,577.65
Other -	\$ 55.00
<b><u>Total Receipts 2022</u></b>	<b><u>\$5,292,296.53</u></b>

2021 Receipts	\$5,546,292.52
2020 Receipts	\$4,951,975.21
2019 Receipts	\$3,946,943.81
2018 Receipts	\$4,342,047.14 - includes \$699,421.15 Roundabout
2017 Receipts	\$3,486,429.15
2016 Receipts	\$3,479,318.67
2015 Receipts	\$3,425,690.15
2014 Receipts	\$3,330,660.94
2013 Receipts	\$3,268,381.97
2012 Receipts	\$3,242,647.27

**EXPENDITURES– 2022**

Even though there was a Gas Tax increase in July of 2019; due to increasing costs in construction materials, health insurance, the continuing complications of the covid-19 issues, and four continuous years of extremely wet weather conditions have made for a very challenging situation in 2022. To meet the necessary requirements for the 344+ miles of roadway, the 202 bridges that must be maintained and complying with all FEMA requirements; we had to balance labor, equipment, operating techniques, and available funding to get the best overall results for the entire County. In doing this; some areas of the County have improved; but, others have deteriorated further. The following is a detailed breakdown of the 2022 expenditures for this office.

**Wages and Benefits – 37.34%**  
**(1-Official, 22-Full Time, 4-Part Time)**

Labor -	\$1,256,159.83
PERS -	\$ 178,572.81
Health Insurance -	\$ 368,240.60
Uniforms -	\$ 13,816.49
Medicare -	\$ 18,029.20
Worker’s Compensation -	\$ 21,560.13
Unemployment Compensation -	\$ 1,184.00
Drug Testing -	\$ 935.00

**Total Wages and Benefits – 2022 \$1,858,498.06**

Total Wages and Benefits – 2021	\$1,763,465.55
Total Wages and Benefits – 2020	\$1,770,716.75
Total Wages and Benefits – 2019	\$1,714,530.38
Total Wages and Benefits – 2018	\$1,632,627.09
Total Wages and Benefits – 2017	\$1,622,038.06
Total Wages and Benefits – 2016	\$1,699,847.11
Total Wages and Benefits – 2015	\$1,666,199.43
Total Wages and Benefits – 2014	\$1,633,218.94
Total Wages and Benefits – 2013	\$1,711,895.65
Total Wages and Benefits – 2012	\$1,681,118.76

Overtime pay was \$7,410.65 (0.59 % of the total payroll costs). This overtime was primarily the result of snow removal or summer storm damage; the remainder was used to more efficiently complete some daily task.

**Improvements – (27.59%)**

Paving (County Portion of OPWC)	\$ 219,056.34
Bridge Work (County Portion less labor)	\$ 292,002.33
Outside Professional Services	\$ 529,128.00
New Culverts	\$ 94,519.78
Asphalt	\$ 100,109.00
Full Depth Reclamation CR #15	\$ 36,039.27
(6) Slip Repairs (Less what paid thru the 007 Acc't )	<u>\$ 102,621.61</u>
<b>Total for Improvements</b>	<b>\$1,373,476.13</b>

**Road Maintenance – Materials and Services – (16.87%)**

Salt, Cinders & Transportation Included	\$133,704.66
Signs & Posts –	\$ 8,750.00
Stone –	<u>\$697,054.00</u>
<b>Total Road Maintenance</b>	<b>\$839,508.66</b>

**Overheads – (12.96%)**

Utilities & Building Maintenance -	\$ 16,487.81
Repair Parts & Supplies	\$262,222.21
Fuel -	\$224,837.11
Tires -	\$ 37,036.02
Lubricants -	\$ 17,087.58
Liability Insurance -	\$ 49,170.00
Allocated Costs to the Commissioners -	\$ 32,902.50
Travel & Expenses-	<u>\$ 5,133.50</u>
<b>Total Overhead</b>	<b>\$644,876.23</b>

**Equipment - (5.43%)**

New Pick-up Truck	\$57,878.00
Used Dump Truck	\$59,000.00
Used Dump Truck	\$30,000.00
New 210 Kobelco Track-hoe (3 <sup>rd</sup> /5 Pay.)	\$34,038.47
Used Grader (2 <sup>nd</sup> /2Pay)	\$54,905.07
New Mower (2 <sup>nd</sup> /5pay)	<u>\$34,700.11</u>
<b>Total Equipment</b>	<b>\$270,521.65</b>

**2022 EXPENDITURES \$4,977,689.15**

2021 Expenditures	\$5,640,544.57
2020 Expenditures	\$4,727,322.43
2019 Expenditures	\$3,633,981.89
2018 Expenditures	\$4,541,492.45 Inc. \$844,155.44 for Roundabout
2017 Expenditures	\$3,108,553.77
2016 Expenditures	\$3,472,523.92
2015 Expenditures	\$3,248,976.91
2014 Expenditures	\$3,236,618.54
2013 Expenditures	\$3,320,915.60

**2022 ROAD RESURFACING**

The following is a detailed breakdown of all the road and bridge work that was completed in 2022. It does not include the smaller day to day maintenance projects.

<b><u>New Pavement Projects</u></b>	<b><u>Miles</u></b> <b><u>Total</u></b>	<b><u>County's Cost</u></b>	<b><u>% of</u></b>
CR #14 – W. Wrightstown Rd.	1.282 miles	\$ 29,280.60	26.0%
CR #15 – Dock #1 Rd.	0.344 miles	\$ 7,856.88	26.0%
CR #20 – W. Bone Rd.	1.752 miles	\$ 40,015.30	26.0%
CR #74 – Price Rd.	2.958 miles	\$ 67,560.07	26.0%
CR #108 – Dock #2A Rd.	0.748 miles	\$ 17,084.16	26.0%
CR #110 – Bone Rd.	1.745 miles	\$ 39,855.42	26.0%
CR #111 – Dock #2 Rd.	0.762 miles	\$ 17,403.91	26.0%
<b>Total</b>	<b>9.591 miles</b>	<b>\$219,056.34</b>	
CR #15 - East Branch Rd	2.029 miles	\$ 36,039.27	100%
<b>Grand Total</b>		<b>\$255,095.61</b>	

The above eight (8) projects were co-funded with local and Issue-I Funds administered thru Buckeye Hill's for the Ohio Public Works Projects. Without this additional funding Morgan County could not possibly complete this amount of new paving projects. These paving projects were completed thru the competitive bidding process as required by Ohio law. The cost numbers shown above represent only the County's portion (percentage shown as "% of the total" project cost).

It should also be noted that 3-Townships (Bloom, Center & Meigsville) and the village of Malta were also a recipient of Issue-I funding with Round #36 funding. This was the result of combining their projects with those of the County for a better overall result.

**BRIDGE & CULVERT CONSTRUCTION/REPAIR - \$ 292,002.33**

Five (5) bridges were upgraded during 2022. All of these cost figures include the addition for overheads on labor, material, and equipment as mandated by Ohio law and the State Auditor’s policies for force account bridge and culvert construction installed after 7/01/2001.

**Bridge/Large Culvert Repair/Replace Projects:**

CR #203	Bridge #712	Repair of deck	\$ 10,697.77
CR #74	Culvert #220	Replaced w/84” RR car	\$ 50,062.33
MAN-TR #299	Bridge #728	Replaced wooden deck	\$ 16,140.38
TR #243	Bridge #164	Repair Guardrail	\$ 1,182.52
CR #110	Bridge #559	Repair Wingwall	<u>\$ 5,247.80</u>
<b>Total Bridge Costs</b>			<b>\$ 83,330.80</b>

A total of 3,568 feet of small diameter culvert was installed at 76 separate locations on CR #6, CR #14, CR #15, CR #74, CR #108, CR #111 and a few other smaller road projects on other county and township roads. The amount of pipe installed, broken down by diameter size, is as follows:

12” - 1426 feet	15” – 1,695 feet	18” – 302 feet	24” – 143 feet
30” – 0 feet	36” – 100 feet	42” – 0 feet	48” – 0 feet

**Total Installation Costs** **\$ 208,671.53**

**Grand Total Culvert & Bridges** **\$ 292,002.33**

**Overall State Bridge Ratings**

Each of our 204 bridges is load rated based upon its condition found during the annual spring bridge inspection program. **At the end of 2022 we had 3 bridges that were classified as “structurally deficient”.** Of those 3 structurally deficient bridges:

Funding for 2 of the remaining 3 bridges will come from the CEAO/ODOT Program. One of which is scheduled for total replacement in 2023, one has been applied for in 2023 for CEAO funds in 2026. The third bridge is the “Old Iron Bridge” between Malta and McConnellsville. The final decision on this bridge will take more time and evaluation to determine viable options on what the County can afford to spend. Most likely this bridge will be closed to vehicular traffic in the next 6/12 months and then converted to a “pedestrian only” structure. We will wait to get the 2023 fracture critical inspection report, to be completed in July.

Bridges are also rated by a Sufficiency Rating Factor which takes into account results of annual bridge inspection findings, daily traffic counts, bridge type etc. The following depicts the 12/31/2022 status of our bridges.

<u>Number of Bridges</u>	<u>% of total Bridges</u>	<u>Sufficiency Rating</u>
13	6.4	Excellent (90 to 100)
99	49.1	Good (70-90)
75	37.1	Fair (40-70)
<u>15</u>	<u>7.4</u>	Poor (0-40)
202	100.0	

**The Permissive License Fee Fund** – As of 12/31/2021 contains \$417,696.44 and has been dedicated to the future maintenance and final disposition of the “Old Iron Bridge” between Malta & McConnelsville.

**FEMA FUNDS (2018-DR 4360), (2019-DR 4424), 2020-  
OHIO EMA & 2021-OPWC UPDATE**

**DR 4360** - The first FEMA disaster declaration (DR 4360) was made in March of 2018 for the event dates of ***February 14 thru February 25, 2018*** which included Morgan County. There were 19 sites that were approved for repair plus emergency debris clean-up costs. Eight (8) of the 19 sites were completed prior to the inclusion of Morgan County into the disaster proclamation.

Of the remaining eleven (11) non-completed sites; two (2) were completed (in-house) during 2019, six (6) were completed in 2020 and two (2) were completed in 2021. And the final site was completed in November of 2022.

**FEMA 4360 – Completed Projects - 2022**

1.) CR #70	11/14/2022	Alan Stone Co.	\$322,081.99	Drilled Shaft
2.) CR #84	11/1/2022	In-House	<u>\$ 21,954.37</u>	Rock Fill
			<b>\$344,036.36</b>	<b>Total</b>

**DR 4424** - The second FEMA disaster declaration (DR 4424) was made as a result of heavy rainfall in February of 2019 for the event dates of ***February 2 thru February 13, 2019*** which included Morgan County. There were 21 sites that were approved for repair plus emergency debris clean-up costs (completed in 2019). Thirteen (13) of these projects were completed in 2020. One (1) was denied funding and completed in 2022. Of the remaining seven (7); four (4) were completed in 2021, one (1) was completed in 2022. Of the two remaining (1) scheduled for 2023; one (1) is being handled by ODNR (Olive Green Creek Realignment) and ***should*** be completed in 2023 also. Both projects will be contracted out.

**FEMA 4424 - Completed Projects - 2022**

1.) CR #18-2	6/28/2022	Alan Stone Co.	<u>\$ 253,896.23</u>	Drilled shaft
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**FEMA 4424- Remaining Projects -2023**

1.) CR #4	FEMA Review	To be bid	\$ 334,910.00	Drilled Shaft
2.) TR #941	ODNR Review	ODNR will bid	<u>\$ 151,000.00</u>	Creek Re-alignment
			<b>\$ 485,910.00</b>	

**2020 OHIO Event** – During the spring of 2020 the Ohio legislature agreed to finance several extremely wet period infrastructure repair projects at 75%. The LPAs must pick up the difference of 25%. It was the ***week of May 8, 2020*** that Morgan County suffered six (6) roadway slip damage areas that has cost **\$1.127 million**. Of the six (6) sites involved; one (1) was completed in-house in 2020, (3) were completed during 2021; the last two (2) projects were completed in 2022.

**OEMA 2020- Projects Completed in 2022**

1.) CR # 69	May 2022	Alan Stone Co.	\$ 290,165.50	Drilled Shaft
2.) CR # 70	October 2022	In-house repair	<u>\$ 32,503.46</u>	Rock Fill
			<b>\$ 322,668.96</b>	<b>Total</b>

**2021 Slip on CR #45 Glenn Road** – Glenn Road developed a large slip that actually closed the road for a while; until we received approval from the landowner to move the road over so we could repair the slip. We applied to the OPWC for help and received a grant that is paying 90% of the cost of the contract bid price (**\$379,151.00**) to repair the slip. Ohio/West Virginia Excavating was the successful bidder and they had completed the majority of the project (**\$324,446.90**); except for the asphalt repair by 12/31/2021. The asphalt repair work was completed in May 2022 after the asphalt plants were back in operation.

1.) CR #45	June 2022	Ohio/WVa Excavating	<b>\$ 54,704.10</b>	Drilled shaft
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**TOTAL Slip Repair Completed in 2022** **\$953,351.28**

As of 12/31/22 we had received **\$404,630.40** from FEMA for the 2022 annual period. This task (completing the FEMA projects) has been quite a challenge to say the least. When you add up the remaining cost of slip repair created over the past 5 years estimated at **\$ 485,910.00**; plus the new slip on CR #2 at the dam (estimated cost \$ **600,000+/-**).

**FUTURE PLANS 2023**

- 1.) OPWC Paving - CR #6 (Hooppole Ridge)
- 2.) CEOA Paving - CR #4 (Malta Hill), CR #32 (Hackney), CR #75 (Tatman), CR #84 (Deavertown), CR #86 (Hooper Ridge)

- 3.) CEAO Guardrail – CR #14 (W. Mountville), CR #15 (Dock #1), CR #18 (Dale), CR #66 (Ellis), CR #79 (Embree)
- 4.) CEAO Guardrail – CR #7 (Buckeye Ridge), CR #13 (McInturf), CR #45 (Glenn), CR #59 (Plantsville), CR #60 (Johnson Ridge), CR #66 (Tabor Ridge), CR #92 (Bailey Ridge)
- 5.) CEAO Bridge Replacement #449 on CR #52 (Goshen Run)
- 6.) At least three (3) slip repair sites CR #2 (Riverview Rd.) and CR #4 (Malta Hill), CR #14 (W. Mountville Rd.)
- 7.) CEAO Paving – Get CR #3 (Triadelphia Rd.) ready for paving in early 2024
- 8.) Union contract negotiations will begin in the July/August timeframe.
- 9.) Will begin a major “chip & seal” program for our “Motor Paved” roads after July 1<sup>st</sup>.

### LIST OF OUR CURRENT EMPLOYEES

**OFFICE:**     **Jeff McInturf – Surveyor**  
                          **Lisa Waite – Administrative Assistant**  
                          **Marcia Wolfe – GIS Technician**

**GARAGE:**     **Dean Cain – Superintendent**  
                          **Jeff Williams – Supervisor**

**Penny Smith - Time Keeper/Janitor**

**Tom Apperson – Crew Leader**  
**Chad Cooper – Crew Leader**

**Jeff Driggs - Truck Driver**  
**Tom McCoy - Truck Driver**  
**Casey Hall – Truck Driver**

**Jeff Baumer – Operator** (Retired 12/31/2022)  
**Drew Blackburn – Operator**  
**Randy Duskey – Operator**  
**Tanner Roe - Operator**  
**Cody Tate – Operator** (on military leave until April 2023)

**Robert Kutscherenko – Mechanic**  
**Greg White – Mechanic**  
**Heath Mummey – Mechanic/Welder**

**Elliott Apperson – Operator**  
**Adam Caldwell - Operator**  
**Andrew Meek – Operator**  
**Duane Gibson – Laborer** (presently on injured list until 2/2/2023)



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