

## Morgan County Engineer – 2017 Annual Report

Stevan Hook PE, PS -

January 17, 2018

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.

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 \$2,389,284.77. The second is the general license plate fees that generated \$888,909.06 and the \$5.00 license plate permissive fee which raised \$61,971.80. With 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 2017 revenues were \$3,486,429.15.

The detailed receipt breakdown follows.

### RECEIPTS – 2017

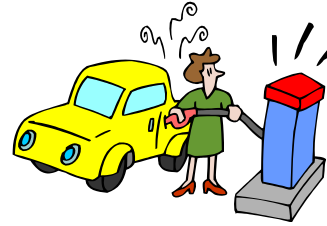
License Tax -	\$ 888,909.06
Permissive License Fee -	\$ 61,971.80
Gas Tax -	\$2,389,284.77
Fines -	\$ 5,858.59
Sales -	\$ 25,956.65
Interest -	\$ 7,307.31
Reimbursements, Labor & Materials -	\$ 46,233.77
Refunds -	\$ 60,882.20
Other -	<u>\$ 25.00</u>

### Total Receipts 2017 **\$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
2011 Receipts	\$3,324,835.62 + \$52,504.00 from FEMA
2010 Receipts	\$3,352,011.37
2009 Receipts	\$3,337,706.40
2008 Receipts	\$3,410,552.55

## Where Our Revenue Comes From

<b>GASOLINE TAX</b>	<b>&gt; \$2,389,284.75</b>
State	\$0.22 per gallon (Gas Excise Tax)
State	\$0.06 per gallon (HB 87)
Federal	\$0.19 per gallon



The 28 cents state gas excise tax is distributed per the following formulas;

23.8 cents is distributed > 75% to ODOT, 10.71% to Municipalities, 9.29 % (**\$0.0301**) to Counties and 5% to Townships.

2.7 cents is distributed > 42.84% Municipalities, 37.16% Counties, 20% Townships

1.0 cent is distributed > LTIP (OPWC Public Works Commission)

0.5 cents is distributed > ODNR, PUCO, The Ohio Turnpike etc.

### B. **LICENSE PLATE FEE > \$888,909.06**

Passenger Cars - \$20.00 per year for license plates

Other Vehicles - Varies with the weight, use, etc.

47% of license fee is distributed to counties where the vehicle is registered.

34% of license fee is distributed to location of registration within the county, i.e. Village, municipality, and township.

9% of license fee is divided among all 88 counties based on ratio of miles of county roads in Morgan County to total county road mileage statewide.

5% of license fee is distributed to townships based on ratio of local township road mileage to total statewide township mileage.

5% of license fee is distributed to all 88 counties equally.

### C. **PERMISSIVE LICENSE FEE > \$61,971.80**

Motor Vehicles - \$5.00 per year on license plates

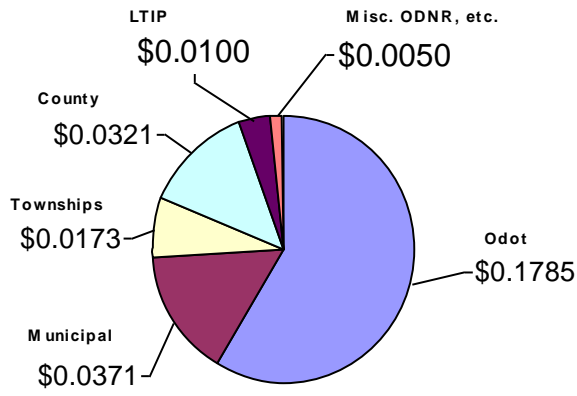
This is an addition to the \$20.00 annual fee for license plates. This was enacted by the County Commissioners in 2014 and went into effect January 1, 2015. These monies are distributed to each municipality, village and county in accordance with the number of vehicles registered within each political subdivision.

### D. **FINES > \$5,858.59**

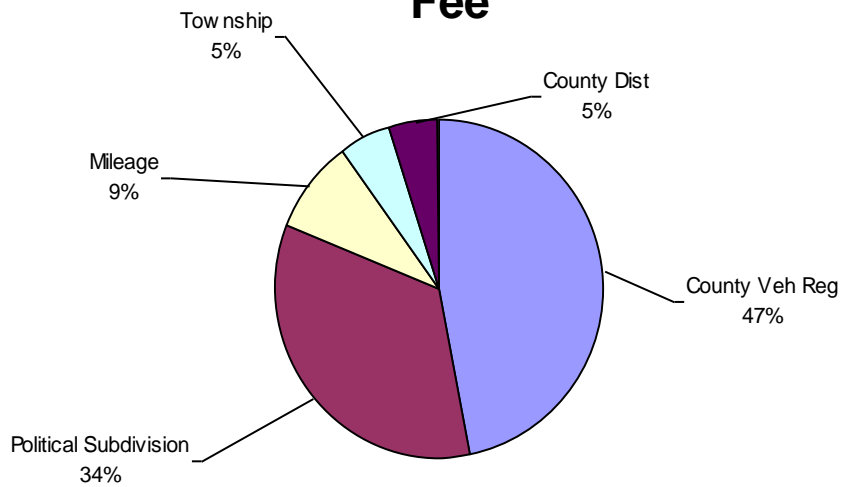
Counties receive a small portion of the fines related to highway offenses.

# Tax Distribution

## Distribution of \$0.28 State Gasoline Tax



## Distribution of \$20 License Plate Fee



## **EXPENDITURES– 2017**

The ever increasing construction material costs, as well as the health insurance costs are making for a very challenging situation. To meet the necessary requirements for the 344+ miles of roadway and the 202 bridges that must be maintained; 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 2017 expenditures for this office.

### **Wages and Benefits – 52.18%** **(1-Official, 21-Full time, 4-Summer Help)**

Labor -	\$1,096,418.67
PERS -	\$ 150,323.96
Health Insurance -	\$ 337,970.97
Uniforms -	\$ 6,663.79
Medicare -	\$ 15,285.37
Worker’s Compensation -	\$ 14,810.94
Unemployment Compensation -	\$ 234.36
Drug Testing -	\$ <u>330.00</u>

<b>Total Wages and Benefits – 2017</b>	<b>\$1,622,038.06</b>
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
Total Wages and Benefits – 2011	\$1,473,671.76
Total Wages and Benefits – 2010	\$1,557,158.90
Total Wages and Benefits – 2009	\$1,556,876.16
Total Wages and Benefits – 2008	\$1,638,666.61
Total Wages and Benefits – 2007	\$1,630,083.88

Overtime pay was \$13,699.34 (1.25) % 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 – (14.67%)**

Paving (County Portion of OPWC)	\$ 54,187.39	
OPWC (Rds. #26 & 27)	\$ 50,281.40	
Bridge Work (County Portion of Cost)	\$ 26,164.25	
Outside Professional Services	\$131,216.50	
New Culverts	\$ 36,767.00	
Asphalt	\$132,375.00	
(3) Slip Repairs (Less OPWC Payments)	\$ <u>25,045.35</u>	
<b>Total for Improvements</b>		<b>\$455,945.89</b>

**Road Maintenance – Materials and Services – (10.99%)**

Salt , Cinders & Transportation Included	\$100,967.00	
Signs & Posts –	\$ 5,026.63	
Stone –	<u>\$235,618.00</u>	
<b>Total Road Maintenance</b>		<b>\$341,611.63</b>

**Overheads – (17.46%)**

Utilities & Building Maintenance -	\$ 18,404.54	
Repair Parts & Supplies	\$163,812.00	
Fuel -	\$139,071.00	
Tires -	\$ 38,205.00	
Lubricants -	\$ 4,800.00	
Liability Insurance -	\$ 41,498.21	
Allocated Costs to the Commissioners -	\$ 31,008.00	
Travel & Expenses-	\$ 2,200.70	
Miscellaneous -	<u>\$103,807.85</u>	
<b>Total Overhead</b>		<b>\$542,807.30</b>

**New Equipment - (4.70%)**

International Dump Truck (Payment)	\$26,786.55	
New Skid Steer-Outright	\$29,500.00	
New Freightliner Bed (Down payment)	\$13,891.25	
Front-end Loader (Down payment)	\$31,694.50	
Used Dump Truck (orange Twp.)	\$30,000.00	
New Scanning Machine	\$ 8,295.00	
Hydraulic Thumb for Trackhoes	<u>\$ 5,983.49</u>	
<b><u>Total New Equipment</u></b>		<b>\$146,150.79</b>



**New 2017 Freightliner Dump Truck**



**Used 2005 International Dump Truck**



**Used 2014 Case 721F Front End Loader**



**Used 2015 Case SR240 Skid Steer**

<b>2017 EXPENDITURES</b>	<b>\$3,108,553.77</b>
2016 Expenditures	\$3,472,523.92
2015 Expenditures	\$3,248,976.91
2014 Expenditures	\$3,236,618.54
2013 Expenditures	\$3,320,915.60
2012 Expenditures	\$3,669,397.21
2011 Expenditures	\$3,149,102.24
2010 Expenditures	\$3,436,944.77
2009 Expenditures	\$3,459,256.89
2008 Expenditures	\$3,273,145.15
2007 Expenditures	\$3,629,879.18

## 2017 ROAD RESURFACING

The following is a detailed breakdown of all the road and bridge work that was completed in 2017. It does not include the smaller day to day maintenance jobs.

<u>New Pavement Projects</u>	<u>Miles Total</u>	<u>County's Cost</u>	<u>% of</u>
CR #2 – Riverview Rd.	9.176 miles	\$ 0.00	0%
CR #60 – Johnson Ridge Rd.	<u>1.950 miles</u>	<u>\$ 41,830.84</u>	26%
CR #100 – Echo Hill Rd.	0.476 miles	\$ 8,146.43	26%
<b>Total</b>	<b>11.602 miles</b>	<b>\$ 49,977.27</b>	<b>26%</b>

The above projects were co-funded with Issue-I Funds administered thru Buckeye Hill's for the Ohio Public Works Projects and the Ohio County Engineer's Association Funds. Without this additional funding Morgan County could not possibly do this amount of new paving. 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" cost).

It should also be noted that 4-Townships (Center, Manchester, Windsor & York) and 2- Villages (Malta and McConnelsville) were also recipients of Issue-I funding with Round #31 funding. This was the result of combining their projects with those of the County.

### BRIDGE & CULVERT CONSTRUCTION/REPAIR \$154,797.57

Three bridges were repaired during 2017. All design and construction was completed by Morgan County personnel with local funds. 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.

#### Bridges Repair Projects

TR #322 Bridge #318	Rehabbed Decking & Substructure	\$ 26 042.81
TR #55 Bridge #600	Replaced Bridge w/Culvert	\$ 13,750.76
TR #939 Bridge #415	Repaired Guardrail	\$ 1,459.94
<b>Total Repair Cost</b>		<b>\$ 41,253.51</b>



### Bridge #600 – Replaced with a Concrete Culvert



**Before**



**After**

### Bridge #318 – Rehabbed to full capacity



**Before**



**After**

### Overall State Bridge Ratings

Each of our 202 bridges is load rated based upon its condition found during the annual spring bridge inspection program. At the end of 2017 we had 9 bridges that were classified as “structurally deficient”. Of those 9 structurally deficient bridges.

- 1 - To be replaced in 2018 by Ohio Bridge Partnership Program funds. – CR #85
- 1 - To be replaced in 2018 by CEAO/County funds. – CR #35
- 1 - To be replaced in 2019 by CEAO/County funds. – CR #74

Funding for 5 of the remaining six bridges will come from CEAO or “in-house” funding over the next few years. The sixth bridge is the “Old Iron Bridge” between Malta and McConnelsville. The 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 4 years and then converted to a “pedestrian only” structure.

### New Large Culverts

There were no new large culverts (Plus 4’ in diameter) installed in 2017.

### Small Culvert Work



