

**Monroe County Engineer**  
**Amy M. Zwick, P.S., P.E.**  
**Annual Report for 2017**

January 16, 2018

## **New /Updated Items**

### ***Implemented Special haul permits (effective March 1, 2017)***

Total number approved by county for 2017 = 632

Total permit fees received by county for 2017 = \$78,803.50

Total permit fees paid to consultants for bridge analysis for 2017 = \$13,931.50

Total number of bridges analyzed (at least once) for permits for 2017 = 35

Total number of bridges analyzed that were not passable (at least once) for 2017 = 13

### ***County/Township coordination on RUMA revisions, resolutions and permitting***

Township Resolutions passed 4/17/2017 by the following townships:

Bethel, Benton, Center, Green, Jackson, Ohio, Salem, Seneca, Summit, Washington, Wayne

### ***Revised Right of Way Work permits (effective 4/1/2017)***

Total number of approved permits (after 4/1/2017) for 2017 = 171

Total permit fees received by County/Townships for 2017 = \$6,840.00

### ***Created Public Records and Retention policy for Engineers Office***

## **Personnel Activity**

### ***New County Engineer***

Amy Zwick

### ***Retirements***

Bruce Jones, former Highway Superintendent, retired January 27<sup>th</sup>

### ***Promotions***

John Williams from Road Foreman to Highway Supervisor, Non-Bargaining Unit Employee

Brian Kress from Truck Driver in the Bargaining Unit to Road Foreman/O&G Coordinator, a non-Bargaining Unit Employee

### ***New Hires/Transfers***

Keith Piatt, from Mechanic to Laborer in the Bargaining Unit

Ted Bier, Mechanic in Bargaining Unit

### ***Resignations/Terminations***

Kenny Herndon, Laborer in the Bargaining Unit, Resignation

Tim Lumbatis, Drafting Tech I in the Bargaining Unit, Termination

### ***Seasonal Hires***

The Engineers Office hires seasonal (summer) employees to assist with the increased work load that generally occurs during the summer months. Six seasonal employees were hired in 2017, for various durations. The total amount spent on Seasonal Employees in 2017 was approximately \$16,200.00.

### ***JFS coordination for Seasonal Hires***

The Engineers Office coordinated with the Department of Job & Family Services for the first time, in order to participate in their Summer Youth Employment Program. Three youth in the program, worked from June 19<sup>th</sup> to August 3<sup>rd</sup>. Their compensation is provided through the program and JFS, which is how the Engineers Office was able to participate. The three Youth worked very well and expressed interest in working for the Engineers Department again in the future.

## Road Improvements

### *Slip Repairs In-House/Force-Account*

Project Type	Route/Location	Force Account Cost
Slip Repair	CR96	\$2,812.21
Slip Repair	CR.43	\$12,308.22
Slip Repair	CR.16B	\$6,522.17
Slip Repair	CR.96	\$19,898.66
Slip Repair	CR.96	\$5,313.64
Slip Repair	CR.92	\$16,775.55
Slip Repair	CR.11	\$7,396.83
Slip Repair	CR.92	\$837.47
Slip Repair	CR.12	\$5,886.75
Slip Repair	CR.10	\$9,836.55
Slip Repair	CR.47	\$6,416.27
Slip Repair	CR.16B	\$15,933.75
Slip Repair	CR.4	\$10,869.42
Slip Repair	CR.30	\$1,528.36
Slip Repair	CR.4	\$1,528.36
Slip Repair	CR.4	\$15,252.93

**Total Slip Repair Project force account costs for 2017 = \$139,117.14**

### *Slip Repairs Contracted*

CR22 Bares Run Road, Contracted to Kerry Brown and was completed in April. The total project cost was \$17,630.00. This project was 100% funded by the Engineers funds.

CR29 Sunfish Creek, Contracted to Kerry Brown and was completed in July. The total project cost was \$24,999.00. This project was 100% funded by the Engineers funds.

### *Slip Repairs FHWA Funded*

CR44 - Contracted to R C Construction and was completed in August of 2017. Total project cost was \$36,745. This project was 100% funded by FHWA Emergency Repair Funds.

CR81 – 2.87 is still on-going. Right of Way plans and Construction plans have been completed. The road has been reduced to one-lane to reduce loading on the slip area, as well as protect the public from driving hazards. This project will be funded 80% by FHWA Emergency Repair Fund and the remaining 20% will be split among Oil & Gas Operators under RUMA on that section of road.

### *Culvert Replacement In-House/Force-Account*

Project Type	Route/Location	Force Account Cost
Culvert Replacement	CR 13	\$1,543.79
Culvert Replacement	CR.11s	\$2,579.10
Culvert Replacement	CR.11s	\$2,971.35

Culvert Replacement	CR.15	\$2,692.79
Culvert Replacement	CR.13	\$1,543.79
Culvert Replacement	CR.25	\$3,467.76
Culvert Replacement	CR. 17	\$1,466.20
Culvert Replacement	CR.16B	\$3,351.87
Culvert Replacement	CR.16	\$8,375.12
Culvert Replacement	CR.33	\$6,904.28
Culvert Replacement	CR.89	\$348,679.00
Culvert Replacement	CR.16	\$1,698.01
Culvert Replacement	CR.16	\$4,164.32
Culvert Replacement	CR.67	\$1,496.85
Culvert Replacement	CR.64A	\$6,667.09
Culvert Replacement	CR.43	\$6,250.18
Culvert Replacement	CR.100	\$4,911.52
Culvert Replacement	CR.16	\$4,674.03
Culvert Replacement	CR.16	\$4,474.62
Culvert Replacement	CR.16	\$4,484.98
Culvert Replacement	CR16	\$4,367.65
Culvert Replacement	CR.16	\$4,444.06
Culvert Replacement	CR.16	\$4,217.94
Culvert Replacement	CR.16	\$4,131.47
Culvert Replacement	CR.16	\$4,061.37
Culvert Replacement	CR.16	\$3,733.10
Culvert Replacement	CR.16	\$1,945.37
Culvert Replacement	CR.11S	\$1,718.33
Culvert Replacement	CR.12	\$3,887.29
Culvert Replacement	CR.47	\$1,828.13
Culvert Replacement	CR.41	\$5,342.32
Culvert Replacement	CR.53 (48")	\$5,597.74
Culvert Replacement	CR.53 (15")	\$3,742.19
Culvert Replacement	CR.53 (36")	\$4,482.09
Culvert Replacement	CR.31	\$2,272.00
Culvert Replacement	CR.16	\$1,932.16
Culvert Replacement	CR.16	\$1,648.45
Culvert Replacement	CR.17	\$2,294.56
Culvert Replacement	CR.92	\$1,950.18
Culvert Replacement	CR.96	\$1,820.18
Culvert Replacement	CR.96	\$824.77
Culvert Replacement	CR.26	\$2,264.91
Culvert Replacement	CR.68	\$2,226.34
Culvert Replacement	CR.99	\$2,313.15
Culvert Replacement	CR.17	\$3,315.55
Culvert Replacement	CR.12	\$4,102.98
Culvert Replacement	Wshington Twp. 618-622	\$2,805.79
Culvert Replacement	CR.88	\$1,084.75
Culvert Replacement	CR.64	\$3,966.37

Culvert Replacement	CR.41	\$1,440.75
Culvert Replacement	CR.105C	\$1,425.47
Culvert Replacement	CR.105A	\$2,193.23
Culvert Replacement	CR.17	\$2,349.17

**Total Culvert Project force account costs for 2017 = \$518,126.46**

***Chip Seal In-House/Force-Account***

Project Type	Route/Location	Force Account Cost
Chip-Seal	Benton Twp.	\$902.10
Chip-Seal	County Home	\$3,454.68
Chip-Seal	Antioch	\$6,725.97
Chip-Seal	CR.27	\$9,263.66
Chip-Seal	CR.26	\$35,184.80
Chip-Seal	CR.41	\$8,223.43
Chip-Seal	CR.11S	\$15,513.46

**Total Chip Seal Project force account costs for 2017 = \$79,268.10**

***Chip Seal Contracted/Funded***

CR26 Beautiful Ridge - Contracted to United Sealing. The total project cost was \$27,993.80. This project was 100% funded by the Engineers fund.

***Miscellaneous Road Improvements In-House/Force-Account***

Project Type	Route/Location	Force Account Cost
Berming	CR.44	\$3,922.24
Berming	CR.82	\$3,690.18
Cold Mix Repair	CR.9	\$21,397.71
Cold Mix Repair	CR.101	\$15,102.97
Ditching	Village of Graysville	\$4,462.25
Full Depth Replace.	CR.26	\$7,526.60
Guardrail Repair	CR.70	\$2,768.32
Guardrail Repair	CR.100	\$757.38
Guardrail Repair	CR.16	\$208.04
Guardrail Repair	CR.100	\$2,056.75
Guardrail Repair	CR.16	\$3,558.00
Guardrail Repair	CR.16B	\$1,507.10
Hot-Mix	CR.27	\$25,873.27
Hot-Mix	CR.16	\$31,086.77
Hot-Mix	CR.11S	\$19,454.10
Hot-Mix	CR.10	\$1,930.60
Leveling	CR.92	\$13,922.71
Leveling	CR.79	\$5,530.69
Leveling	CR.26	\$11,726.16

Leveling	CR.12	\$6,177.49
Leveling	CR.60	\$25,320.83
Leveling	CR.89	\$26,665.70
Leveling	CR.15	\$5,212.06
Summer Cold Mix	cold mix/pugmill	\$64,031.22
Tree Removal	CR.12	\$3,287.08
Winter Cold mix	cold mix/pugmill	\$64,547.11

**Total Miscellaneous Road Improvement Project force account costs for 2017 = \$510,840.47**

***Miscellaneous Road Improvements Contracted***

-NONE

***Miscellaneous Road Improvements Funded***

Ohio Public Works Commission (OPWC) Project – Paving of 4.28 miles of County Road 16 (Sandbar Road) and a short section of County Road 14 (Long Run Road). The project was awarded to Shelly & Sands, Inc. for a final project cost of \$551,135.50. OPWC Grant covered 68% (\$374,772.14) of the project costs. The remaining project costs 32% (\$176,363.36) was paid for by \$75,000 Commissioners Resolution contribution and the Engineers budget.

**Bridge Improvements**

***In-House/Force Account***

Project Type	Route/Location	Force Account Cost
Bridge Project	Summit Twp. 2363	\$54,958.69
Bridge Redecking	Washington Twp. 319	\$14,606.11
Bridge Repair	Malaga Twp. 78	\$411.95
Bridge Repair	CR.59	\$4,065.82
Bridge Repair	CR.77	\$21,464.18
Bridge Repair	CR.105B	\$6,761.34

**Total Bridge Project force account costs for 2017 = \$102,268.09**

***Contracted/Funded***

-NONE

**Summary**

**FORCE ACCOUNT PROJECT COSTS = \$1,123,949.03**

**CONTRACTED PROJECT COSTS = \$70,622.80**

**FUNDED PROJECT COSTS = \$411,517.14**

**COUNTY FUNDS for FUNDED PROJECTS = \$176,363.36**

**TOTAL ROAD & BRIDGE IMPROVEMENT COSTS = \$1,782,452.33**

## Oil & Gas Activity

There are currently 19 different Oil & Gas Companies with at least one active RUMA in Monroe County. These 19 companies hold a total of 103 RUMAs. Below is a summary of RUMA activity in 2017:

New RUMAs in 2017: **30** RUMAs by 13 differently bonded operators

Renewed RUMAs in 2017: **41** RUMAs renewed.

Terminated RUMAs in 2017: **19** RUMAs terminated.

As part of their activities, these Oil & gas Companies often need to improve the County's current infrastructure. Below is a summary of the Infrastructure Improvements made by Oil & Gas Companies in 2017. Maintenance items such as dust control and temporary patching are not included in this list.

<i>Company</i>	<i>Road #/Name</i>	<i>Improvement/Work Done</i>
Eureka Midstream	CR26 Beautiful Ridge	Chip Seal repairs (United Sealing)
Antero	CR79 Bracken Ridge	FDR, Paving, Culverts
Antero	CR69 Walter Ridge	Paving, Culverts
Antero	CR39 Harper Road	Paving
Antero Midstream	CR2 Miltonsburg-Calais	Mill and Fill
StatOil	CR64 Cain Ridge	Mill and Fill
StatOil	CR64A Cochran Hill	Paved Hill
StatOil	CR4 Sykes Ridge	Mill and Fill
StatOil	CR64A Cochran Hill	Mill and Fill
Gulfport	CR91 Airport Road	FDR, Paving, Culverts
Gulfport	CR27 Moore Ridge	Paving, Culverts
Eclipse	CR10 Benwood Road	Intersection Widening, Paving, Culverts, Retaining Walls
Rice	CR13 Dearth Ridge	Ditching & Aggregate
Rice	CR14 Long Run	Ditching & Aggregate
Rice	CR17 Edwina Road	Chip seal repairs
Rice	CR77 Barber Ridge Road	Chip seal repairs
Rice	CR72 Wolfpen	Chip seal repairs
Strikefore	CR31 Mellott Ridge	Chip Seal repair, ditching
Strikeforce	CR29 Sunfish Creek	Chip Seal repair
Strikeforce	CR6 Allitude-Miller	Chip Seal repair
Rover/Columbia	CR27 Moore Ridge	Mill and Fill
Rover/Columbia	CR37 Boltz Hill Road	Slip Repair
Rover/Eclipse	CR10 Benwood Road	Mill and Fill
Rover	CR28 Bondi Ridge	Mill and Fill
Rover	CR18 Lewisville Northern	Mill and Fill

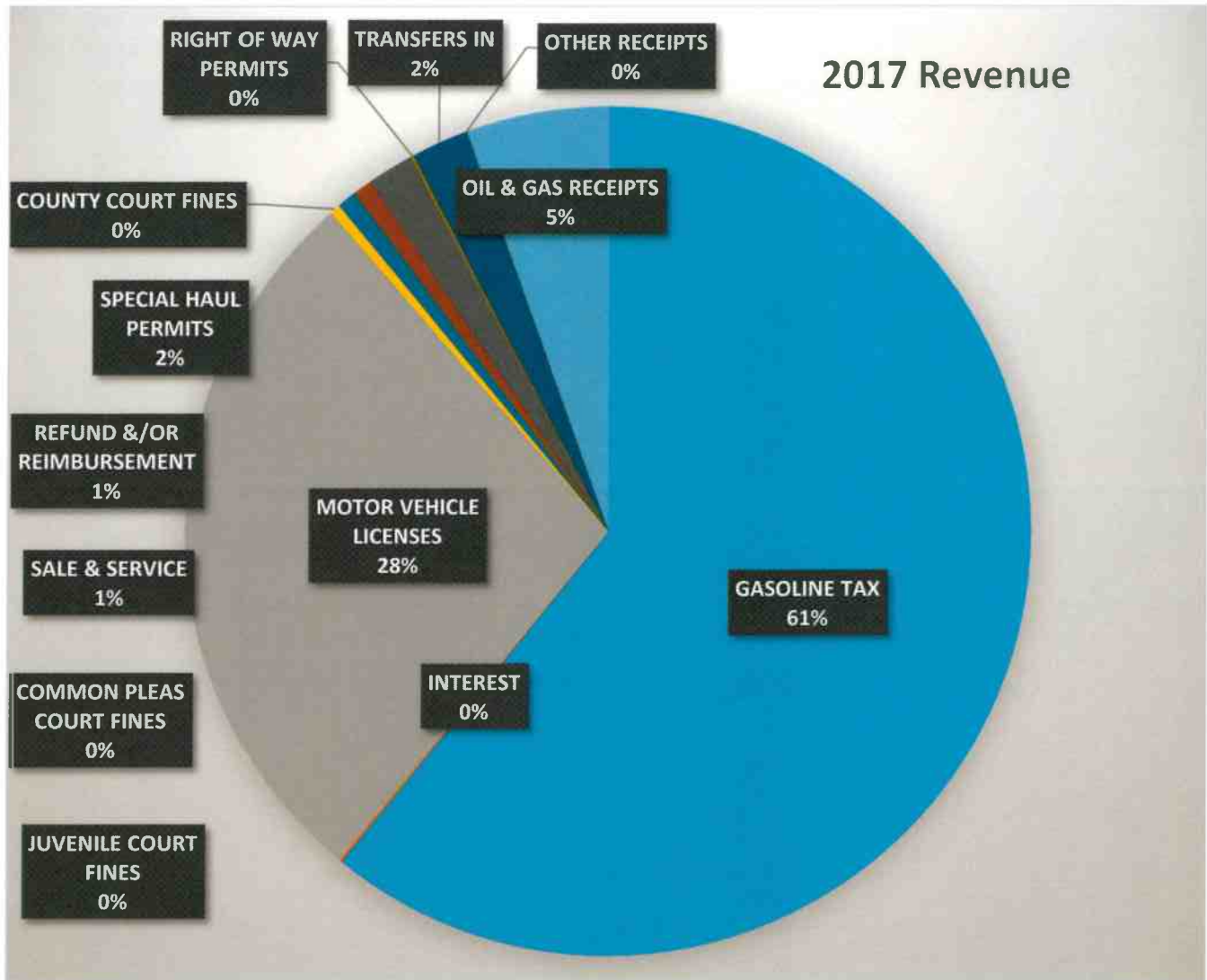


Rover	CR44 Swazey	Mill and Fill
Triad Hunter/BRMR	CR43 Long Ridge Road	Chip Seal, Intersection repairs
Gulfport	TR1011 Crum Road	Bridge Superstructure Replacement/Widening
CNX/Consol	CR25 German Ridge Road	Road re-profiling/Paving
Gulfport	CR30 Mt. Carrick	FDR, Paving, Culverts
Gulfport	CR6 Alltitude-Miller	FDR, Paving, Culverts
Antero	CR100 Keylor Hill	FDR, Paving, Culverts
Eclipse	CR10A Griffith Road	FDR, Paving, Culverts
Eureka Midstream	CR37 Boltz Hill Road	Aggregate Shoulder/Road Widening
Eureka Midstream	CR10 Benwood Road	Mill and Fill
XTO/Enbridge/Rover/Columbia/Eureka	CR81 Krebs Hill Road	Base Repairs
Enbridge/EQT/Rover/Columbia/Summit	CR81 Krebs Hill Road	Shoulder Build-up
EQT/Rover/Columbia	CR37 Boltz Hill Road	Shoulder Build-up
Summit/CNX/Regency/Enbridge/EQT/ Strikeforce/Rover/Eureka	CR25 German Ridge Road	Shoulder Build-up
Strikeforce/Rover/Columbia/CNX	CR37 Boltz Hill Road	Slip Repairs (3)
Summit/CNX/Regency/Enbridge/EQT/ Strikeforce/Rover/Eureka	CR25 German Ridge Road	Slip Repairs (3)
Summit/Regency/Enbridge	CR25 German Ridge Road	Slip Repair
Summit/CNX/Regency/Enbridge/EQT/ Strikeforce/Rover/Eureka	CR25 German Ridge Road	Base Repairs
Summit/CNX/Regency/Enbridge/EQT/ Strikeforce/Rover/Eureka	CR37 Boltz Hill Road	Base Repairs
EQT/Rover/Columbia/Eureka/Summit	CR81 Krebs Hill Road	Base Repairs

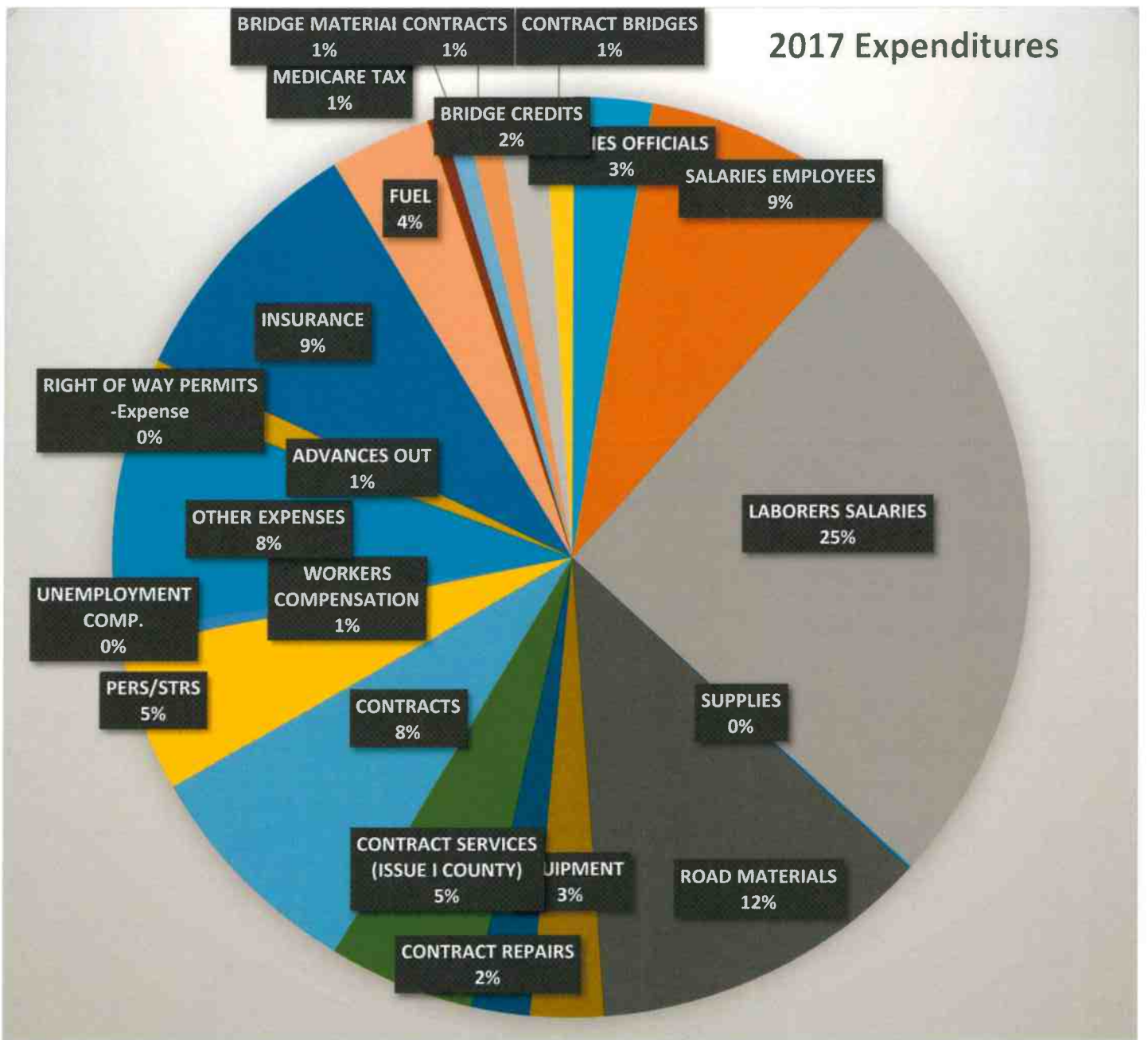
## **2018 Project Funding Approvals**

Project Type	Bridge/Road Number/Description
Bridge	MOE-CR3-01.44 Market Street
Bridge	MOE-CR29-0.32
Bridge	MOE-TR999-0.33
Road/Resurfacing	CR17, CR12, CR77 HIR & Chip Seal
Sign	Curve Signage - 4 locations
Sign	Sign Upgrade project-Load Limit & Bridge Signage
Safety Study	Ball Bank, Sign Inventory, Guardrail Inventory - 372 miles

**COUNTY ENGINEER REVENUE & EXPEDITURES SUMMARY**



Totals Description	2017 EOY FINAL
GASOLINE TAX	\$2,389,284.77
INTEREST	\$4,082.21
MOTOR VEHICLE LICENSES	\$1,081,944.20
COUNTY COURT FINES	\$15,577.58
JUVENILE COURT FINES	\$0.00
COMMON PLEAS COURT FINES	\$0.00
SALE & SERVICE	\$29,578.44
REFUND &/OR REIMBURSEMENT	\$28,282.33
SPECIAL HAUL PERMITS	\$71,056.50
RIGHT OF WAY PERMITS	\$3,780.00
MISC. INSURANCE & COBRA PAY-IN	
TRANSFERS IN	\$86,040.01
ADVANCES IN	
OTHER RECEIPTS	\$991.10
OIL & GAS RECEIPTS	\$216,045.40



**Personnel Expenditures – 53%**

**Non-Personnel Expenditures – 47%**

Laborers Salaries

Salaries Employees

Salaries Officials

PERS/STRS

Insurance

Medicare Tax

Workers Compensation