

**Monroe County Engineer  
Amy M. Zwick, P.S., P.E.  
Annual Report for 2019**

**January 24, 2020**

Per the Ohio Revised Code, Section 5543.02, I am providing an annual report for the review and record of the Monroe County Commissioners. This report will provide a brief summary of the activities during the calendar year on County-owned roads, bridges and other infrastructure.

The County Engineers office is responsible for the maintenance and upkeep of **372 miles** of County Roads, including all drainage, culverts, signs, mowing, guardrail, snow/ice treatment and embankment stability. The Engineers office is also responsible for all bridges on County Roads, and bridges on Township Roads. Currently there are **178 bridges** on the County Engineers inventory.

The County Engineers budget is financed through a gasoline tax and a vehicle registration tax, as well as minor income from permit fees and sales/services. For several years, this financing has been extremely lacking, limiting the Engineers office's ability to maintain roads and bridges at a safe and good condition. Whenever possible, Federal grant money and Ohio Public Works funds have been applied for, to replace those lacking funds. In more recent years, Oil & Gas industry has moved into Monroe County and the Operators have contributed significantly to the upgrade/improvements of the County's infrastructure.

In a continued effort to generate additional income and close the gap in the Engineers needed funds, the option of enacting additional permissive vehicle registrations was proposed. The Commissioners held the two required public hearings in April 2019. Based on public input, the motion was made against enacting any additional permissive taxes at this time.

Thanks to the efforts of many individuals across Ohio, in mid-2019 the State approved an increase in the rate and modification of the distribution of revenue from motor fuel excise taxes (fuel tax). This increase took effect July 1, 2019. Projected data for 2020 indicates that each County Engineer will receive an additional \$1 to \$1.5 million. With this boost of income, and the continued efforts in applying for available grant funds, Monroe County should start to see some improvements in road and bridge conditions over the next several years.

Also in 2019, the Attorney General released Opinion No. 2019-001 which stated that the tax map draftsman salary should be paid out of the County General Fund. In years past this money was always taken from the Engineers Budget, so this change freed up some additional dollars to be invested in our roads and bridges.

While each of these changes individually does not allow for immediate drastic improvements, the cumulative effect, strategic spending and proper planning should create a much-needed upgrade in the County's ability to maintain roads and bridges.

Please continue to the following pages for more detailed information on the projects and activities of the Engineers Office in 2019.

## COUNTY PERMIT SUMMARY

### *Special haul permits*

<b>Special Haul Permits Summary</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>
Total Permits Approved	526	787	632
Total permit fees received	\$61,500.00	\$85,625.00	\$78,803.50
Total fees paid to consultants	\$0.00	\$1,500.00	\$13,931.50
Total bridges analyzed (at least once)	6	5	35
Total bridges analyzed that were not passable	1	0	13

### *Right of Way Work permits*

<b>Right-of-Way work Permits Summary</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>
Total Permits Approved	156	205	171
Total permit fees received by County	\$4,549.00	\$6,770.00	\$6,840.00
Total permit fees paid to Townships	\$900.00	\$950.00	\$1,625.00

## COUNTY EQUIPMENT PURCHASES/SALES

In late 2018 and in 2019, the Engineers Office worked with USDA to acquire funding for truck & equipment purchase. USDA had grant money that needed used by the end of their fiscal year, so we were able to receive \$141,000 in grant money along with \$117,000 loan (10-year, 3.875% interest). This money was used to purchase the following equipment:

2019 F250 Regular Cab Truck x 3	\$89,111.49
John Deere 710 Backhoe Loader	\$143,313.52
Wacker BS60-4A Compactor	\$2,682.00
Meyer Snow Plow & Install x 3	\$16,356.00
Tiger Model Ditch Cleaner Attachment	\$9,250.00
2020 Ford 1-ton Pick Up Truck	\$15,399.23
<b>Total</b>	<b>\$276,112.24</b>

As vehicles and equipment age through many hours of use, or through the normal course of technology improvements, they reach a point where they become obsolete, unfit or unneeded for public use. At this point the Engineers Office requests approval from the Commissioners to dispose of these pieces of equipment, either through sale or proper method of disposal. In 2019 the following equipment was disposed of:

2003 Chevrolet 2500HD	SOLD	\$1050.00
1996 Ford F250 XL	SOLD	\$675.01
2006 Chevrolet 2500HD	SOLD	\$2025.00
<b>Total</b>		<b>\$3750.01</b>

## PERSONNEL ACTIVITY

### ***Retirements***

Rick Ewers, Equipment Operator I in Bargaining Unit, retired March 29, 2019 with 31 years of service to the County.

### ***Promotions***

Brian Kress, Foreman/O & G Coordinator, promoted to Highway Supervisor/ O &G Coordinator December 29, 2019

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

Jacob Nalley, Laborer in the Bargaining Unit, hired January 28, 2019

Shane Bondy, Laborer in the Bargaining Unit, hired March 18, 2019

Corey Ridgeway, Laborer in the Bargaining Unit, hired August 5, 2019

Anna Jones, Engineers Assistant, hired April 29, 2019

John Williams, Highway Supervisor, transferred to Foreman December 4, 2019

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

Michael Cox, Truck Driver in the Bargaining Unit, resigned January 29, 2019.

J.D. Wiley, Laborer in the Bargaining Unit, resigned July 3, 2019.

### ***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 2019, for various durations. The total amount spent on Seasonal Employees in 2019 was approximately \$32,788.84.

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

The Engineers Office coordinated with the Department of Job & Family Services, in order to participate in their Summer Youth Employment Program. The program changed from last year, and limited the number of youths that participated. Due to limited participation, our office was not able to work with JFS this year.

# FUNDED PROJECTS SUMMARY – COMPLETED & ACTIVE

Project Type	Bridge/Road Number/Description	Percent Funded	Project Total Cost	Funding Year
Bridge	MOE-CR29-0.32	80%	\$491,435.00	FY2019
Bridge	MOE-TR313-0.04	95% Federal, 5% Commissioners	\$301,806.00	FY2019
Bridge	MOE-TR999-0.33	\$300,000 MAX CDBG, remainder to County	\$341,135.00	2018/2019
Bridge	MOE-CR2-4.83	OPWC Grant \$400,000 Loan-Engineer \$133,475 Cash/In-Kind \$179,000	See Road OPWC project	2019
Bridge	MOE-CR2-6.03	OPWC Grant \$400,000 Loan-Engineer \$133,475 Cash/In-Kind \$179,000	See Road OPWC project	2019
Road/Resurfacing	CR2 (4.43 to 6.05)	OPWC Grant \$400,000 Loan-Engineer \$133,475 Cash/In-Kind \$179,000	\$905,130.59	2019
Safety Study	Roadside Hazard, Culvert, Pavement Marking Inventory - 372 miles	90%	\$39,877.50	FY2019
Sign	Sign Upgrade project-Stop Signs & Various	80%	\$12,000.00	FY2019
Sign	Curve Signage - 4 locations	100%	\$3,650.00	FY2019
Slip Repair	CR81-2.07, Krebs Hill Road	FHWA 100% before Aug 12, FHWA 80% after Aug 12, Remainder by O&G/County	\$245,087.50	2018/2019
Slip Repair	CR12-11.10, Greenbier Road	FHWA 100% before Aug 12, FHWA 80% after Aug 12, Remainder by County (OPWC 18% Construction)	\$510,500.00	2018/2019
Slip Repair	CR81-1.55, Krebs Hill Road	FHWA 100% before Aug 12, FHWA 80% after Aug 12, Remainder by County (OPWC 18% Construction)	\$341,000.00	2018/2019

## Infrastructure Improvements, Repairs & Maintenance

### SLIP REPAIRS

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

Project Type	Route/Location	Force Account Cost
Slip Repair -Pipe Piling	CR89	\$20,107.71
Slip Removal	CR4	\$392.58
Slip Removal	CR37	\$785.16
Slip Removal	CR42	\$789.76
Slip Removal	CR89	\$548.02
Slip Removal	CR92	\$298.92
Slip Removal	CR16	\$557.02
Slip Removal	CR59	\$923.85
Slip Removal	CR43	\$275.55
Slip Removal	CR26	\$1,678.56

**Total Slip Repair Project force account costs for 2019 =\$ 26,357.13 (2018 = \$67,016.52) (2017 =\$139,117.14)**

#### *Slip Repairs Contracted*

CR38-0.30 Headley Ridge Road, contracted to Monroe Drilling Operations and was completed in January 2019. The total project cost was \$95,360.00. The project was 100% funded through Oil & Gas operators, to stabilize the roadway for use during a pipeline project.

#### *Slip Repairs FHWA Funded*

**CR81-1.55**, Krebs Hill Road, Design engineering was contracted to ADR & Associates for a cost of \$47,500.00 and was completed in 2018. The construction was awarded to Ohio-West Virginia Excavating for a bid price of \$243,290.50. The design engineering was 100% funded by FHWA Emergency Repair Funds. The construction was cost shared as follows: 80% by FHWA Emergency Repair Funds, 18% by Ohio Public Works Emergency Funds, and 2% by the County Engineers funds (local match). The construction completion date was June 2019.

**CR81-2.07**, Krebs Hill Road, Design engineering was contracted to ADR & Associates for a cost of \$24,700.00 and was completed in 2018. The construction was awarded to Ohio-West Virginia Excavating for a bid price of \$211,349.00. The design engineering was 100% funded by FHWA Emergency Repair Funds. The construction was cost shared as follows: 80% by FHWA Emergency Repair Funds, and 20% by the County Engineers funds (local match). The construction completion date was July 2019.

**CR12-11.10**, Greenbrier Road, Design engineering was contracted to ADR & Associates for a cost of \$49,990.00 and was completed in 2018. The Construction was awarded to Shelly and Sands at a bid price of \$295,953.00. The design engineering was 100% funded by FHWA Emergency Repair Funds. The construction was cost shared as follows: 80% by FHWA Emergency Repair Funds, 18% by Ohio Public Works Emergency Funds, and 2% by the County Engineers funds (local match). The construction completion date was July 2019.



***Slip Repairs FEMA Funded*****2018 FEMA Event**

A total of 66 slips qualified and were reported under the FEMA event that occurred late in February, 2018. The following slip repairs were contracted and completed in 2019:

<b>Road No.</b>	<b>Road Name</b>	<b>Location/Log Point</b>	<b>Awarded Contractor</b>	<b>Actual Construction Costs</b>
CR11	Barnes Run Road	1.90mm	Larry Lang Excavating	\$66,231.21
CR11A	Frieden Road	0.90mm	Larry Lang Excavating	\$61,210.72
CR11S	Joe Frobish Road	0.25mm	Larry Lang Excavating	\$81,297.89
CR26	Beautiful Ridge Road	1.95mm	Larry Lang Excavating	\$76,961.22
CR26	Beautiful Ridge Road	2.10mm	Larry Lang Excavating	\$38,715.78
CR26	Beautiful Ridge Road	2.40mm	Larry Lang Excavating	\$69,404.72
CR26	Beautiful Ridge Road	3.90mm	Larry Lang Excavating	\$63,022.84
CR26	Beautiful Ridge Road	4.00mm	Larry Lang Excavating	\$50,517.77
CR26	Beautiful Ridge Road	4.30mm	Larry Lang Excavating	\$43,374.27
CR43	Long Ridge Road	4.90mm	Larry Lang Excavating	\$34,853.50
CR47	Mechanicsburg Road	2.15mm	Larry Lang Excavating	\$34,155.74
CR47	Mechanicsburg Road	3.75mm	Larry Lang Excavating	\$56,216.15
CR57	Straightfork Road	0.05mm	Larry Lang Excavating	\$23,996.54
CR77	Barber Ridge Road	5.60mm	Larry Lang Excavating	\$82,584.29
CR77	Barber Ridge Road	5.70mm	Larry Lang Excavating	\$40,900.61
CR84	John Lengacher Road	1.60mm	Larry Lang Excavating	\$46,877.95
CR89	Narrows Run Road	0.10mm	Larry Lang Excavating	\$105,625.96
CR92	Ketzel Hill Road	0.10mm	Larry Lang Excavating	\$72,261.00
CR92	Ketzel Hill Road	1.25mm	Larry Lang Excavating	\$30,621.01
CR92	Ketzel Hill Road	1.50mm	Larry Lang Excavating	\$32,894.02
CR96	Baptist Ridge Road	1.10 mm	Larry Lang Excavating	\$66,705.69
CR96	Baptist Ridge Road	2.10mm	Larry Lang Excavating	\$53,668.25
CR17	Edwina Road	0.80mm	Alan Stone Company	\$346,596.79
CR22	Bares Run Road	2.50mm	Alan Stone Company	\$248,471.00
CR29	Sunfish Creek Road	0.30mm	Ohio-West Virginia Excavating	\$258,640.25
CR29	Sunfish Creek Road	0.60mm	Ohio-West Virginia Excavating	\$138,861.00
CR42	Stonehouse Road	3.60mm	Alan Stone Company	\$121,144.00
CR43	Long Ridge Road	7.40mm	Shelly and Sands	\$209,450.80
CR43	Long Ridge Road	7.50mm	Shelly and Sands	\$248,107.38
CR92	Ketzel Hill Road	3.80mm	Ohio-West Virginia Excavating	\$89,275.85
CR11	Barnes Run Road	2.00mm	DeepWell Energy Services	\$40,530.50
CR15	Witten Creek Road	1.70mm	Monroe Drilling Operations LLC	\$32,479.50
CR15	Witten Creek Road	5.90mm	Monroe Drilling Operations LLC	\$46,659.00
CR38	Headley Ridge Road	1.40mm	Monroe Drilling Operations LLC	\$58,923.90
CR43	Long Ridge Road	3.95mm	Larry Lang Excavating	\$14,935.42
CR68	Jericho-Low Gap Road	0.60mm	Monroe Drilling Operations LLC	\$37,156.00
CR89	Narrows Run Road	0.70mm	DeepWell Energy Services	\$34,690.50
CR23	Pugh Ridge Road	0.20mm	Geostabilization International	\$721,773.16

CR27	Moore Ridge Road	2.60mm	Geostabilization International	\$83,938.00
CR31	Mellott Ridge Road	3.20mm	Geostabilization International	\$111,222.50
CR31	Mellott Ridge Road	5.50mm	Geostabilization International	\$112,294.50
CR31	Mellott Ridge Road	6.90mm	Geostabilization International	\$145,076.25
CR43	Long Ridge Road	1.90mm	Geostabilization International	\$204,465.00

Two slip repairs remain to be completed in 2020. They are CR11-0.97 and CR5-2.95. These were delayed do to access restrictions on both roadways.

#### **2019 FEMA Event**

A total of 156 slips qualified and were reported under the FEMA event that occurred in February, 2019. Of the total, 133 locations are being reviewed by FEMA. The remaining 23 locations were turned over to NRCS for review.

Currently only one slip repair is under contract for Design engineering and will be bid & constructed in 2020:

<b>Road No.</b>	<b>Road Name</b>	<b>Location/Log Point</b>	<b>Awarded Consultant</b>	<b>Actual Consultant Costs</b>
CR11	Barnes Run Road	1.70mm	ADR & Associates	\$52,500.00

All FEMA qualified projects are funded 75% by FEMA and 25% by the State of Ohio, EMA. No local match is required.



## CULVERT REPAIRS AND MAINTENANCE

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

<b>Project Type</b>	<b>Route/Location</b>	<b>Force Account Cost</b>
Culvert Installation	CR89-2.912	\$2,595.39
Culvert Installation	CR79	\$3,503.32
Culvert Replacement	CR31	\$3,734.90
Culvert Replacement	CR89	\$6,115.12
Culvert Replacement	CR64	\$3,861.94
Culvert Replacement	CR64	\$2,771.95
Culvert Replacement	CR64A	\$2,924.78
Culvert Replacement	CR100A	\$3,126.26
Culvert Replacement	CR100B	\$1,658.43
Culvert Replacement	CR100C	\$3,192.75
Culvert Replacement	CR100D	\$1,955.50
Culvert Replacement	CR6	\$3,287.54
Culvert Replacement	CR17	\$1,676.24
Culvert Replacement	CR42	\$2,872.22
Culvert Replacement	CR68	\$4,015.62
Culvert Replacement	CR72	\$1,448.24
Culvert Replacement	CR100	\$2,492.34
Culvert Replacement	CR16B	\$4,752.32
Culvert Replacement	CR27	\$2,320.61
Culvert Replacement	CR53	\$3,886.19
Culvert Replacement	CR18	\$5,082.44
Culvert Replacement	CR1	\$10,797.66
Culvert Replacement	CR29	\$1,729.88
Culvert Replacement	CR53	\$926.82
Culvert Replacement	CR64	\$4,817.69
Culvert Replacement	CR16B	\$988.16
Culvert Replacement	CR16B	\$443.20
Culvert Replacement	CR37	\$11,755.50
Culvert Replacement	CR25	\$9,370.37
Culvert Replacement	CR10	\$3,225.32
Culvert Replacement	CR10	\$4,280.73
Culvert Replacement	CR53	\$3,230.65
Culvert Replacement	CR23	\$5,859.52
Culvert Replacement	CR64	\$6,445.64
Culvert Replacement	CR81	\$10,461.32
Culvert Replacement	CR37	\$51,835.82
Culvert Replacement	CR25	\$40,725.55
Culvert Replacement	CR16B	\$443.20
Culvert Replacement	CR2	\$11,397.50

**Total Culvert Project force account costs for 2019=\$246,008.63 (2018 = \$102,593.82) (2017 = \$518,126.46)**

## ROADWAY REPAIRS AND MAINTENANCE

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

Project Type	Route/Location	Force Account Cost
Chip Seal - Dust Strips	CR31	\$9,726.54

**Total Chip Seal Project force account costs for 2019 = \$9,726.54 (2018 = \$32,027.65) (2017 = \$79,268.10)**

### *Chip Seal Contracted/Funded – NONE in 2019*

### *Emergency Services*

**Snow & Ice Removal** - County forces provide snow & ice removal for all 372 miles of County Roads during the winter months. In 2019, a total of **\$307,502.55** was spent on this service.

Labor = \$79,721.31

Materials = \$116,257.82

Equipment Usage = \$111,523.42

**Debris & Tree Removal** – County forces respond AFTER HOURS to trees and debris that fall into the roadway, causing a hazard for the traveling public. In 2019, a total of **\$10,667.36** was spent in OVERTIME Labor costs for this service. Equipment and fuel costs are not included in the total. Debris & Tree removal during normal business hours is not included in the total.

All Emergency service costs are paid from by the County Engineers Budget.

### *Roadside Mowing*

**County-Wide Road side mowing** - County forces provide roadside mowing for all 372 miles of County Roads throughout the year, with a goal to make at least 2 passes on each road annually. In 2019, a total of **\$462,492.31** was spent on this service.

Labor = \$146,952.44

Equipment Usage = \$315,539.87

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

<b>Project Type</b>	<b>Route/Location</b>	<b>Force Account Cost</b>
Base Failure Repair	CR64	\$11,001.73
Base Failure Repair	CR9	\$891.61
Base Failure Repair	CR11	\$7,435.18
Base Failure Repair	CR38	\$1,680.39
Base Failure Repair	CR17	\$6,662.08
2019 COLD MILL MIXING		\$67,707.19
Base Failure Repair Leveling	CR15	\$19,454.75
Base Failure Repair Leveling	CR15	\$2,337.07
Base Failure Repair Leveling	CR31	\$12,602.20
Base Failure Repair Leveling	CR77	\$13,687.60
Base Failure Repair Leveling	CR88	\$14,058.07
Base Failure Repair Leveling	CR105A	\$6,617.64
Base Failure Repair Leveling	CR105B	\$3,114.43
Base Failure Repair Leveling	CR105C	\$15,629.78
Base Failure Repair Leveling	CR26	\$2,038.11
Base Failure Repair Leveling	CR47	\$4,662.95
Base Failure Repair Leveling	CR53	\$9,549.79
Base Failure Repair Leveling	CR54	\$5,097.32
Base Failure Repair Leveling	CR69	\$2,385.14
Base Failure Repair Leveling	CR78	\$9,647.33
Base Failure Repair Leveling	CR79	\$15,295.15
Base Failure Repair Leveling	CR73	\$21,356.45
Base Failure Repair Leveling	CR15	\$11,783.39
Base Failure Repair Leveling	CR48	\$53,221.41
Base Failure Repair Leveling	CR5	\$3,245.70
Berming/Ditching	CR2-4.43	\$23,882.77
Damage Repair	CR88	\$15,180.97
Damage Repair	CR64	\$681.20
Damage Repair	CR89-0.35	\$3,484.52
Emergency Repair	CR92	\$1,071.90
Emergency Repair Cold Mix	CR53	\$619.82
Emergency Repair Cold Mix	CR79	\$1,185.59
Emergency Repair Cold Mix	CR79	\$348.24
Emergency Repair Leveling	CR22	\$2,047.59
Emergency Repair Leveling	CR92	\$1,943.90
Full Depth Replacement	CR106	\$85,351.13
Full Depth Replacement	CR48	\$14,419.22
Full Depth Replacement	CR12	\$11,491.90
Full Depth Replacement	CR70	\$23,926.36
Full Depth Replacement	CR31	\$31,884.51
Hot Mix Grader Patch	CR15	\$9,871.16
Washout Repair	CR44	\$13,279.21
Washout Repair	CR15	\$5,268.76

**Total Miscellaneous Road Improvement Project force account costs for 2019 = \$567,101.21**

(2018 = \$110,527.00) (2017=\$510,840.47)

***Miscellaneous Road Improvements Contracted***

NONE

***Miscellaneous Road Improvements Funded***

**Ohio Public Works Commission (OPWC) Project** – Cement Stabilization with an asphalt overlay, culvert replacement and drainage improvements for 1.62 miles of County Road 2, along with two bridge replacements/rehabilitations.

The cement stabilization & asphalt overlay portion of the project was awarded to NLS Paving Inc.. NLS Paving Inc. work totaled \$598,471.49. Buds Inc. was awarded the multiple bridge replacements project for a total cost of \$267,761.60. The County replaced culverts and performed drainage improvements, at a cost of \$11,397.50, for a final project cost of \$905,130.59. OPWC Grant covered 44% (\$400,000.00) of the project costs. OPWC Loan for 14.75% (\$133,475.00) was taken by the Engineers Budget. The remaining project costs 41.25% (\$371,655.59) was paid from the Engineers budget, with \$11,397.50 of that being in-kind county forces work.

## BRIDGE IMPROVEMENTS AND REPAIRS

### *In-House/Force Account*

Project Type	Route/Location	Force Account Cost
Bridge Repair	Bridge Repair CR53	\$6,669.02
Bridge Repair	Perry Twp. 1004	\$3,249.46
Bridge Repair	Seneca Twp. 15	\$27,601.53
Bridge Repair	CR28	\$2,028.58
Bridge Repair	CR14-4.98	\$4,551.04
Bridge Repair	CR5-3.92	\$14,867.53

**Total Bridge Project force account costs for 2019 = \$58,967.16 (2018 = \$77,459.20) (2017 = \$102,268.09)**

### *Contracted/Funded*

**CR29-0.32 Bridge** replacement project was completed in 2019, with a total construction cost of \$491,435.00. This project was 80% funded through FHWA, with the remaining 20% being funded with local match money (Engineers Fund).

**TR313-0.04 Bridge** Rehabilitation project was completed in 2019, with a total construction cost of \$301,806.00. This project was 95% funded through FHWA/historical bridge funds, with the remaining 5% being funded with local match money (General Fund).

**TR999-0.33 Bridge** replacement project was completed in 2019, with a total construction cost of 341,135.00. This project was funded through CDBG money (\$300,000) and the remainder being paid out of local match money (Engineers Fund).

**CR2-4.83 and CR2-6.03 Bridge** Replacement projects were completed in 2019, with a total construction cost of \$267,761.60. This project was funded 59% through Ohio Public Works, with the remaining 41% being paid out of local match money (Engineers Fund). *\*This is also noted above in OPWC Project section\**



## OIL & GAS ACTIVITY

There are currently 23 different Oil & Gas Companies with at least one active RUMA in Monroe County. These 23 companies hold a total of 103 RUMAs. Below is a summary of RUMA activity:

<b>O &amp; G RUMA Activity Summary</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>
New RUMAs	13	30	30
Renewed RUMAs	46	19	41
Terminated RUMAs	19	35	19
Total Number of Operators with at least one RUMA	23	23	19

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 2019. Maintenance items such as dust control and temporary patching are not included in this list.

<b>Company</b>	<b>Road #/Name</b>	<b>Improvement/Work Done</b>	<b>Total Cost of Improvements</b>
Rover/Columbia/ Gulfport	CR1, Kings Highway	Asphalt Mill & Fill Repairs	\$71,623.00
Rover	CR10, Benwood Road	Asphalt Mill & Fill Repairs	\$204,488.39
Montage (Eclipse)/Eureka/Rover	CR10, Benwood Road (SR255 to David Stalder Pad)	FDR Base Stabilization	\$296,527.82
Montage (Eclipse)/Eureka/Rover	CR10, Benwood Road (SR255 to David Stalder Pad)	Asphalt Surfacing	\$354,027.75
Montage (Eclipse)/Eureka/Rover	CR10, Benwood Road (SR255 to Rolland)	Pile & Lagging Walls	\$166,340.00
Montage (Eclipse)/Eureka/Rover	CR10, Benwood Road (SR255 to Rolland)	FDR Base Stabilization	\$181,181.19
Montage (Eclipse)/Eureka/Rover	CR10, Benwood Road (SR255 to Rolland)	Asphalt & shoulder back up	\$327,243.32
Rover/Columbia	CR100, Keylor Hill Road	Chip Seal Repairs/Asphalt Mill & Fills	\$130,474.32
Eureka	CR101, Roy Watson Road	Asphalt Mill & Fill Repairs	\$95,860.00
Eureka	CR101, Roy Watson Road	Chip Seal Repairs	\$35,523.00
Montage (Eclipse)	CR11S, Joe Frobish Road	Pile & Lagging Walls	\$1,667,970.37
Montage (Eclipse)	CR11S, Joe Frobish Road	Asphalt Surfacing	\$488,082.97
Montage (Eclipse)	CR11S, Joe Frobish Road	FDR Base Stabilization	\$230,318.26
Eureka	CR12, Greenbrier Road	Asphalt Mill & Fill Repairs	\$173,492.00
Gulfport	CR23, Pugh Ridge Road	Asphalt Surfacing	\$114,000.00
CNX	CR25, German Ridge Road	Asphalt Mill & Fill Repairs	\$41,700.00
Equinor	CR26, Beautiful Ridge Road	Road Upgrades, FDR, Asphalt Paving	\$1,841,518.00
Rover/Columbia	CR27, Moore Ridge Road	Asphalt Mill & Fill Repairs	\$187,712.10
Eureka	CR28, Bondi Ridge Road	Asphalt Mill & Fill Repairs	\$65,076.99
Rover/Equitrans	CR29, Sunfish Creek Road	Chip Seal Repairs	\$9,659.16



Rover	CR30, Mt. Carrick Road	Chip Seal Repairs	\$9,090.00
Montage/Gulfport /Rover/Columbia/Markwest/Enbridge /Equitrans	CR31, Mellott Ridge Road	Asphalt Surfacing	\$770,503.80
Rover/Columbia	CR33, Burkhart- Middlechurch	Chip Seal Repairs	\$37,929.00
Gulfport	CR36, Ozark Eddy-Bridge Road	Road Upgrades, FDR, Asphalt Paving	\$840,000.00
CNX	CR37, Boltz Hill Road	Asphalt Mill & Fill Repairs	\$59,215.00
Montage (Eclipse)	CR38, Headley Ridge Road	FDR Base Stabilization	\$208,109.32
Montage (Eclipse)	CR38, Headley Ridge Road	Asphalt Surfacing	\$357,115.44
Gulfport/Rover/ Columbia/Markwest/ Enbridge/CNX/Equitrans	CR38, Headley Ridge Road	Asphalt Mill & Fill Repairs	\$106,740.72
Eureka	CR38, Headley Ridge Road	Chip Seal Repairs	\$59,541.05
Eureka	CR38, Headley Ridge Road	Rock Embankment Slip Repair	\$95,360.00
Gulfport	CR41, Sugartree Cranesnest	Asphalt Mill & Fill Repairs	\$121,000.00
Eureka	CR43, Long Ridge Road	Asphalt Mill & Fill Repairs	\$158,400.00
Eureka/Equinor/ Montage	CR43, Long Ridge Road	Asphalt Mill & Fill Repairs	\$76,630.20
Rover/Columbia /Markwest	CR5, Atkinson Run Road (North)	Chip Seal Repairs	\$21,866.52
Rover/Columbia/Eureka	CR5, Atkinson Run Road (South)	Chip Seal Repairs	\$23,353.02
Rover/Equitrans	CR6, Altitude Miller Hill Road	Chip Seal Repairs	\$11,407.50
Enbridge/Columbia/ Rover/Strikeforce/CNX	CR64, Cain Ridge Road	Asphalt Surfacing	\$130,620.00
Rover/Columbia/Eureka	CR64, Cain Ridge Road	Chip Seal Repairs	\$117,995.84
Enbridge/ORS/Eureka /Rover/Columbia/XTO	CR81, Krebs Hill Road	Asphalt Surfacing	\$162,138.00
Enbridge/Eureka/Rover/Columbia	CR81-0.80 Slip Repair	Pile & Lagging Wall	\$216,293.00
Montage (Eclipse)	CR96, Baptist Ridge Road	Chip Seal hill section	\$34,112.00
Montage (Eclipse)	CR96, Baptist Ridge Road	Base Repair	\$100,795.50

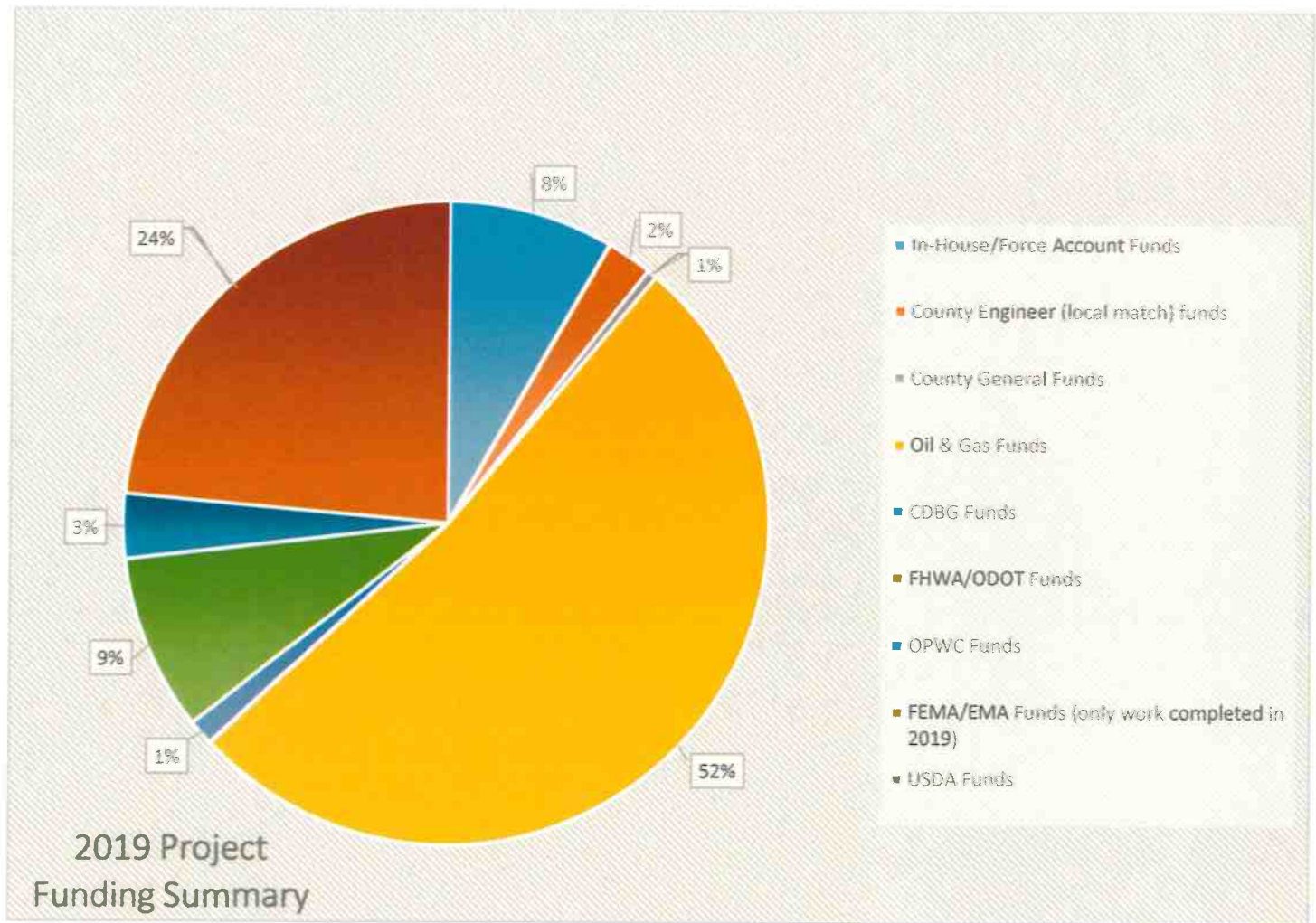
**TOTAL \$10,401,034.55**

\*NOTE – This list is not all-inclusive and does not reflect the large amount of maintenance/minor repairs that are funded through the Oil & Gas operators under RUMA.

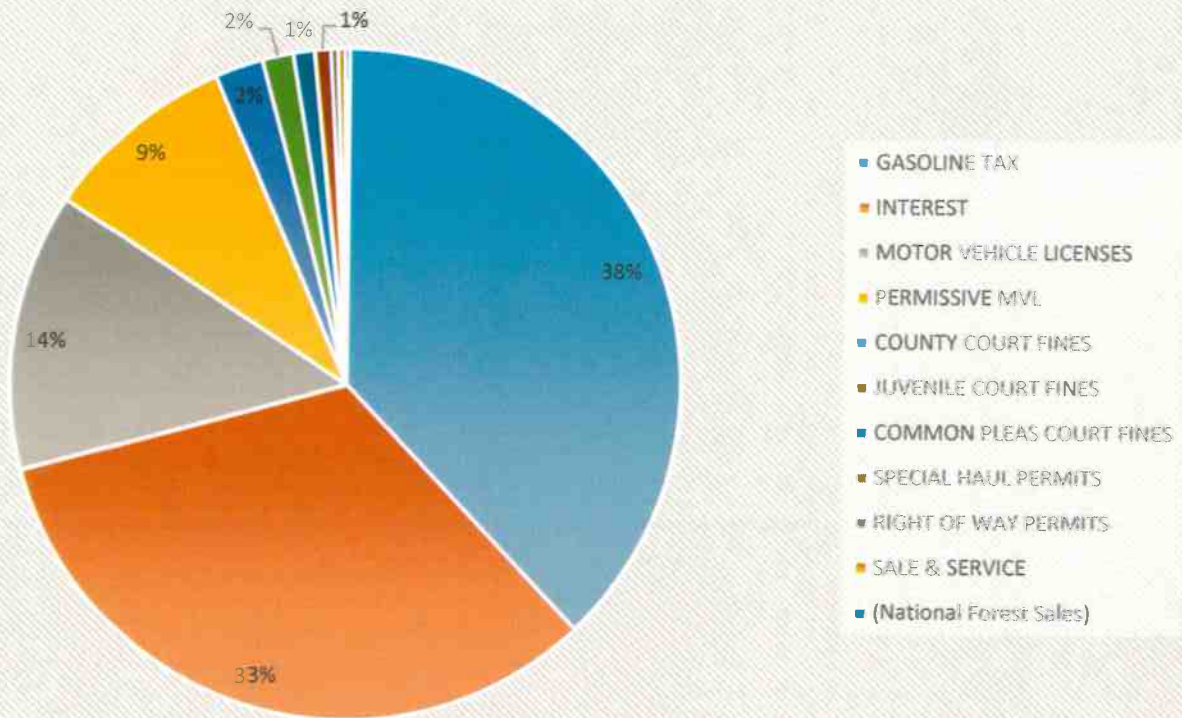
# COUNTY ENGINEER FUNDING, REVENUE & EXPENDITURES SUMMARY

## Projects Summary

Road & Bridge Funding Summary	2019	2018	2017
In-House/Force Account Funds	\$1,670,724.37	\$968,357.29	\$1,194,571.83
County Engineer (local match) funds	\$459,055.10	\$573,854.21	\$177,170.31
County General Funds	\$102,690.00	\$410,773.62	\$75,000.00
Oil & Gas Funds	\$10,401,034.55	\$9,610,872.72	
CDBG Funds	\$255,750.00	\$0.00	\$0.00
FHWA/ODOT Funds	\$1,778,428.08	\$1,089,558.59	\$449,069.09
OPWC Funds	\$652,275.00	\$400,000.00	\$374,772.14
FEMA/EMA Funds (only work completed in 2019)	\$4,734,455.77	\$567,976.81	\$0.00
USDA Funds	\$0.00	\$141,000.00	\$0.00
<b>TOTALS</b>	<b>\$20,054,412.87</b>	<b>\$13,762,393.24</b>	<b>\$2,270,583.37</b>



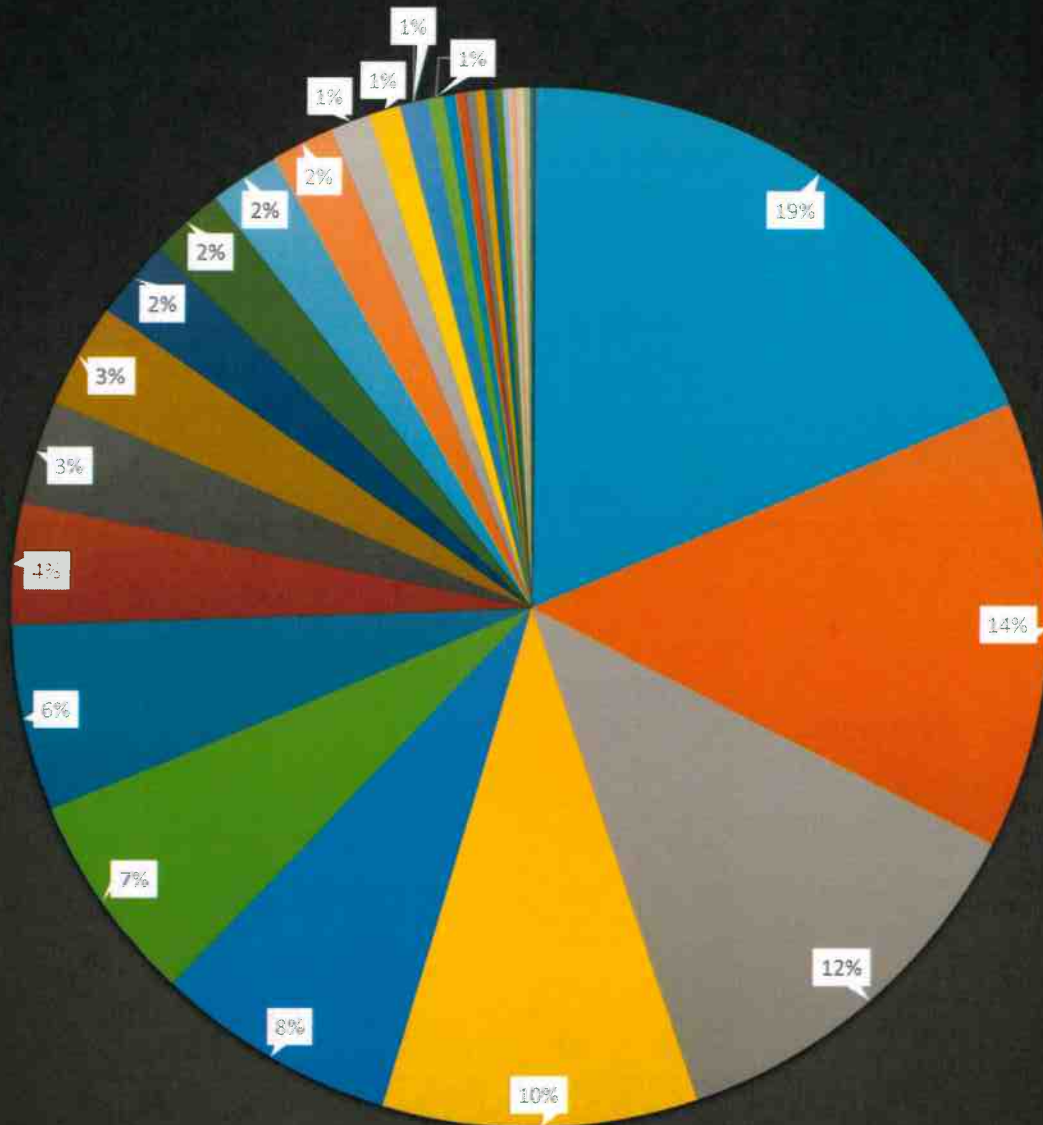
## 2019 Revenue



DESCRIPTION	2019 EOY Final	% of TOTAL
GASOLINE TAX	\$2,939,200.28	37.8%
OIL & GAS RECEIPTS	\$2,551,990.69	32.8%
MOTOR VEHICLE LICENSES	\$1,037,051.38	13.3%
ADVANCES IN	\$716,291.23	9.2%
TRANSFERS IN	\$182,566.45	2.3%
REFUND &/OR REIMBURSEMENT	\$115,320.60	1.5%
PERMISSIVE MVL	\$80,016.01	1.0%
SPECIAL HAUL PERMITS	\$60,791.50	0.8%
(National Forest Sales)	\$26,420.40	0.3%
SALE & SERVICE	\$26,289.64	0.3%
COUNTY COURT FINES	\$19,506.78	0.3%
INTEREST	\$9,899.98	0.1%
OTHER RECEIPTS	\$7,500.00	0.1%
RIGHT OF WAY PERMITS	\$4,589.00	0.1%
MISC. INSURANCE & COBRA PAY-IN	\$398.70	0.0%
JUVENILE COURT FINES	\$3.12	0.0%
COMMON PLEAS COURT FINES	\$0.00	0.0%
<b>TOTAL</b>	<b>\$7,777,835.76</b>	<b>100%</b>



## 2019 Expenditures



- |                          |                                 |                                      |
|--------------------------|---------------------------------|--------------------------------------|
| ■ SALARIES OFFICIALS     | ■ SALARIES EMPLOYEES            | ■ LABORERS SALARIES                  |
| ■ RETIREMENT SIC/VAC PAY | ■ SUPPLIES                      | ■ TAX MAP SUPPLIES                   |
| ■ UNIFORMS & PPE         | ■ WELDING SUPPLIES              | ■ ROAD MATERIALS                     |
| ■ EQUIPMENT              | ■ CONTRACT REPAIRS (O&G)        | ■ CONTRACT SERVICES (ISSUE I COUNTY) |
| ■ CONTRACTS              | ■ TRAVEL EXPENSES               | ■ ADVERTISING & PRINTING             |
| ■ PERS/STRS              | ■ WORKERS COMPENSATION          | ■ UNEMPLOYMENT COMP.                 |
| ■ OTHER EXPENSES         | ■ RIGHT OF WAY PERMITS -Expense | ■ TRANSFERS                          |
| ■ ADVANCES OUT           | ■ INSURANCE                     | ■ GROUP & LIABILITY                  |
| ■ LEGAL FEES             | ■ NOTES                         | ■ FUEL                               |
| ■ UTILITIES              | ■ DOT TESTING                   | ■ INTEREST - USDA LOAN               |
| ■ PRINCIPAL-USDA LOAN    | ■ OPWC LOAN                     |                                      |

DESCRIPTION	2019 EOY TOTAL	% of TOTAL
LABORERS SALARIES	\$886,881.36	18.6%
CONTRACT REPAIRS (O&G)	\$664,010.10	13.9%
ROAD MATERIALS	\$584,425.82	12.2%
ADVANCES OUT	\$468,473.30	9.8%
CONTRACT SERVICES (ISSUE I COUNTY)	\$360,258.09	7.5%
INSURANCE	\$311,185.65	6.5%
SALARIES EMPLOYEES	\$278,162.82	5.8%
PERS/STRS	\$179,404.72	3.8%
FUEL	\$154,360.16	3.2%
VEHICLE MAINT.(IN HOUSE)	\$153,298.22	3.2%
CONTRACTS	\$117,774.60	2.5%
VEHICLE (OUTSIDE REPAIRS)	\$109,134.16	2.3%
CONTRACTS	\$102,800.03	2.2%
SALARIES OFFICIALS	\$94,103.00	2.0%
EQUIPMENT	\$59,605.00	1.2%
TRANSFERS	\$46,431.70	1.0%
OFFICE MAINTENANCE	\$42,361.68	0.9%
UTILITIES	\$23,915.37	0.5%
MEDICARE TAX	\$17,543.36	0.4%
WORKERS COMPENSATION	\$15,093.08	0.3%
OPWC LOAN	\$15,000.00	0.3%
BUILDING & GROUNDS MAINTENANCE	\$14,328.88	0.3%
OTHER EXPENSES	\$13,039.93	0.3%
GROUP & LIABILITY	\$11,551.00	0.2%
INTEREST - USDA LOAN	\$9,800.00	0.2%
SUPPLIES	\$9,721.85	0.2%
UNIFORMS & PPE	\$8,841.79	0.2%
BRIDGE MATERIALS	\$4,457.63	0.1%
LEGAL FEES	\$4,437.56	0.1%
PRINCIPAL-USDA LOAN	\$4,297.75	0.1%
ADVERTISING & PRINTING	\$3,991.37	0.1%
WELDING SUPPLIES	\$2,915.91	0.1%
DOT TESTING	\$1,430.42	0.0%
DUES	\$1,331.10	0.0%
RIGHT OF WAY PERMITS -Expense	\$800.00	0.0%
TAX MAP SUPPLIES	\$613.96	0.0%
TRAVEL EXPENSES	\$495.00	0.0%
SIGNS	\$252.00	0.0%
RETIREMENT SIC/VAC PAY	\$0.00	0.0%
PERSONEL EXPENDITURES	\$1,791,215.78	37.5%
NON-PERSONEL EXPENDITURES	\$2,985,312.59	62.5%
<b>TOTAL</b>	<b>\$4,776,528.37</b>	<b>100.0%</b>

# FUNDED PROJECTS SUMMARY – 2020 & FUTURE PROJECTS

Project Type	Bridge/Road Number/Description	Percent Funded	Project Total Cost	Funding Year	Awarded? Y/N
Bridge	MOE-C28-0.56	80% LBR, 15%Credit Bridge, 5% Local	\$760,000.00	FY2023	YES-SUBSTITUTED
Bridge	MOE-C29-6.95	80%	\$425,000.00	FY2023	YES-SUBSTITUTED
Bridge	MOE-CR29-0.85	100% Construction	\$971,200.00	FY2021	Yes
Bridge	MOE-TR0307-0.75	80%	\$1,106,000.00	2024	YES-AWARDED from FY2025
Bridge	MOE - CR12-18.00	Engineering - Local responsibility Construction-100% funded	\$295,000.00	2022	PENDING
Bridge	MOE-TR307-2.28	Engineering - Local responsibility Construction-100% funded	\$510,901.75	2022	PENDING
Bridge	MOE-TR1004-2.27	Engineering - Local responsibility Construction-100% funded	\$555,451.75	2022	PENDING
Bridge	MOE-TR562-1.82	Engineering - Local responsibility Construction-100% funded	\$571,951.75	2022	PENDING
Bridge	MOE-TR2001-0.13	Engineering - Local responsibility Construction-100% funded	\$415,683.00	2022	PENDING
Road/Resurfacing	CR12 (SR26 to SR800) HIR & Chip Seal	80%	\$1,085,000.00	FY2023	YES
Road/Resurfacing	CR2 (6.05 to 9.38)	OPWC Grant \$400,000 Loan-Engineer \$282,407 Cash/In-Kind \$300,000	\$982,407.00	2020	YES
Drainage/Culvert	CR15, CR105C, CR68, CR88	79%	\$456,583.00	FY2020-2022	PENDING
Sign	Sign Upgrade project-Bridge weight limit signs	80%	\$2,000.00	FY2020	Yes
Sign	Curve Signage - 3 locations	100%	\$1,375.00	FY2020	Yes
Guardrail	Various CR (CR2, CR37, CR22, CR43, CR138)	100%	\$300,000.00	FY2023	Yes