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Thank you again Holmes County!!! In November 2016 the voters of Holmes County voted to make our roads better by supporting and voting in favor of the ¼% road sales tax. The first year's paving plan was very successful with 28.01 miles of road improved. In addition, we chip and sealed 54.85 miles of roads with our own funds to try and save the roads until the 1/4% road sales tax can improve them.

Financing: Since the sales tax is a year behind, this year we have applied for and received a 0% loan from Ohio Public Works to bring this money forward to continue the improvements. We also received a federal safety grant for \$150,000 for center and edge line striping.

Planning: It is tough to decide each year which roads will be improved with the 1/4% road sales tax. Well..., we have to start somewhere, so we took into account pavement conditions, traffic counts, truck traffic, and also some long term experience/knowledge of how long the roads would last. This is how we determine which roads get improved each year.

After much planning and debate, it was determined to finish CR168-from SR515 to the County Line (2.81 mi.), CR25 (4.77 mi.), CR6 (5.67 mi.), CR245 (2.13 mi.), CR114 (5.30 mi.), CR172 (4.07 mi.) and CR575 (0.94 mi.) for a total of 25.69 miles.

Design: The planned improvement design is the same as last year with the design being an 1 ½" asphalt overlay, center lines, edge lines, safety edge and some shoulders. The edge lines will be 6" wide rather than 4" wide. Believe it or not, there have been studies that show just a 2" wider edge line reduces run-off-the-road crashes by 20%.

Prep Work: Pavement will not last if you don't get the water to drain away from the road with adequate ditches. We have been working with our own crews on ditching and berming the roads to be done this year. We are also working to replace/repair culvert crossings and road signage along these routes. In a couple weeks we will also be performing some structural repairs by grinding and patching. We don't want to just cover up the problem underneath the new/nice overlay for it to come back as potholes the following years. We want these roads to last as long as they can!

Bidding: We plan to bid the project in the next couple of weeks with a bid opening date of June 18th and starting work the second week of July if everything proceeds according to plan.

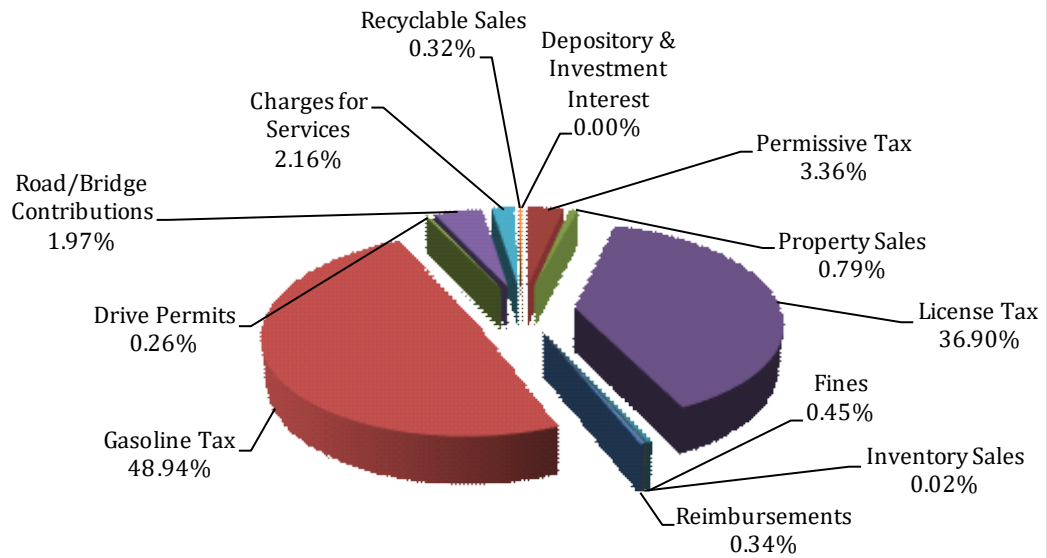
In addition to the 28.01 miles improved in year 1 and the planned 25.69 miles this year, we still have another 196.30 miles of roads and 283 bridges to take care of and try to get them in the best shape we can. It was a tough and long winter and we had some strong thunderstorms early spring that put us behind. We have been working overtime to try to get caught up on patching the potholes and fixing washouts/cleaning ditches. We also have 6 bridge replacements planned for this year. With limited staff and budget this is almost an impossible task, but I know the Holmes County Highway Department Staff will try their best to get the job done. Thank you again Holmes County!!!

I respectfully submit this annual report required by Ohio Revised Code Ch. 5543.

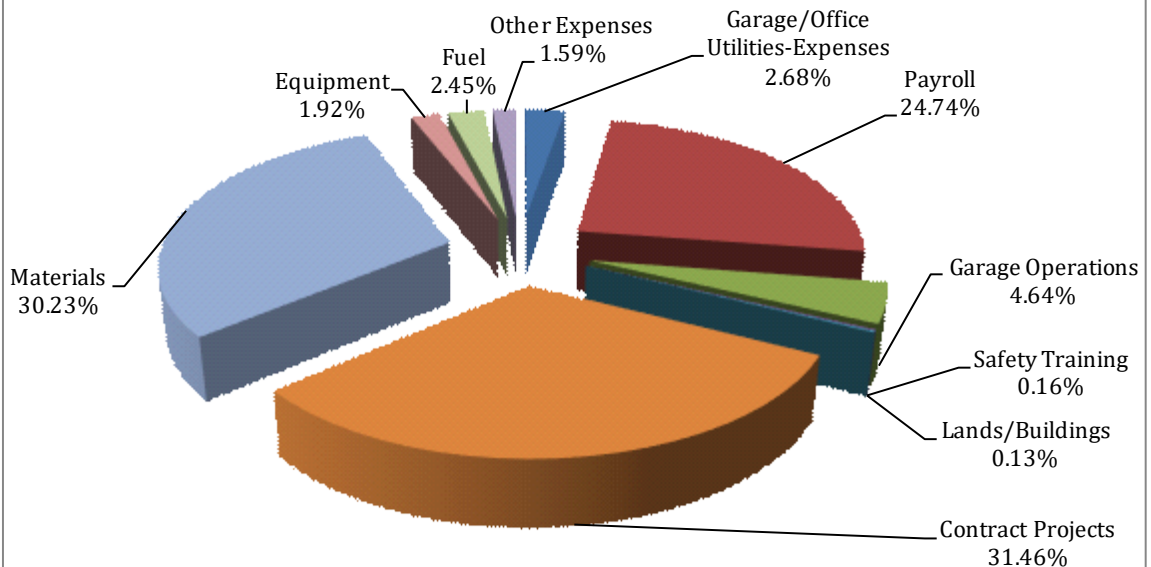
Christopher R. Young, P.E., P.S - Holmes County Engineer

2017 BUDGET

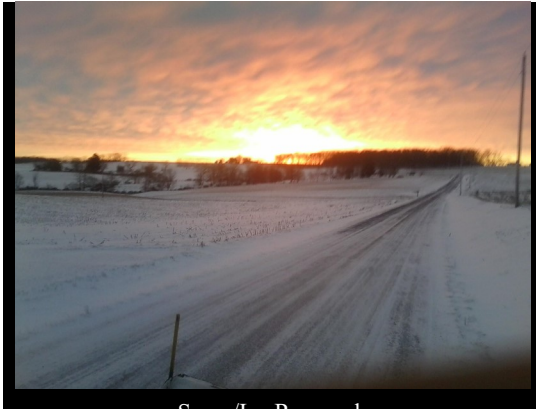
WHERE THE MONEY COMES FROM



HOW THE MONEY WAS SPENT



2017 ROAD PROJECTS



Snow/Ice Removal



Berming CR-51

2017 Road Projects	Equipment	Labor	Material	Total
Culverts/Catch Basins Install & Repaired	\$37,556.06	\$33,206.02	\$38,866.10	\$109,628.18
Snow/Ice Removal	\$83,518.95	\$61,037.23	\$164,338.98	\$308,895.16
Ditching	\$96,727.77	\$51,857.02	\$272.00	\$148,856.79
Patching	\$219,569.23	\$140,618.68	\$970,004.78	\$1,330,192.69
Hauling Stock	\$9,351.32	\$3,512.74	\$127.62	\$12,991.68
Berming/Washout Repairs	\$21,862.35	\$16,921.18	\$6,019.16	\$44,802.69
Mowing/Weed Control	\$32,417.20	\$22,809.25	\$0.00	\$55,226.45
Brush & Tree Removal	\$43,332.66	\$41,289.36	\$0.00	\$84,622.02
Signage	\$3,048.98	\$22,681.63	\$0.00	\$25,730.61
Equipment Moving	\$9,565.58	\$6,560.36	\$0.00	\$16,125.94
Road Reclamation/Grinding	\$70,858.39	\$26,672.90	\$247.40	\$97,778.69



Culvert Replacement

2017 GRANT/BRIDGE/CONTRACT PROJECTS

CONTRACT

HOL CR 160-4.86 Intersection Improvement	
OPWC	\$240,500.00
Jobs & Commerce	\$110,281.00
Private Revenue's	\$154,000.00
Local Funds	<u>\$1,735.02</u>
Total	\$506,516.02

Improvement of CR 160 and SR 62 intersection.

Chip and Seal Project			
CR 10	1.06	CR 141	1.75
CR 27	0.53	CR 186	2.93
CR 58	6.27	CR 245	2.13
CR 68	6.92	CR 270	0.86
CR 70	7.50	CR 329	4.75
CR 88	0.45	CR 349	2.70
CR 100	2.56	CR 407	4.77
CR 101	0.16	CR 575	0.94
CR 120	2.23	CR 620	1.48
CR 135	3.03	CR 621	0.23
		CR 622	1.05
		CR 672	0.55

Total Miles	<u>54.85</u>
Project Total	<u>\$1,063,134.15</u>

BRIDGES

CR 27-044	\$44,807.00
CR 58-0084	\$92,779.00
Misc. Bridge Repairs	\$81,477.00
Total	<u>\$219,063.00</u>

2017 0.25% SALES TAX RESURFACING

<u>Road</u>	<u>Mileage</u>
CR 51	9.81
CR 144	2.87
CR 160	6.77
CR 189	4.41
CR 168 (SR 62 to SR 515)	<u>4.15</u>
Total Miles Resurfaced	28.01

Melway Paving was awarded the project as the lowest and best qualified bidder, and performed the work at a cost of \$2,403,940.46. The Holmes County Highway Department performed the preparation work, such as grinding and patching on the roads that were to be resurfaced. The cost of the grinding was \$92,528.46. The cost of the patching was \$264,925.44. These preparation costs were from local funding, and include equipment, labor, and material. The total overall cost of the project was \$2,761,394.36.

The total cost of the project includes; resurfacing, berming, centerline striping, and edge line striping. To allow the resurfacing project to commence at an appropriate time, all project costs were financed through an ODOT SIB loan, which will begin to be reimbursed once the 0.25% sales tax revenue is received.

2017 BRIDGE SUMMARY

ROAD	SLM	GROSS	Posted Bridges					
			2 AXLES	3 AXLES	4 AXLES	5 AXLES	6+ AXLES	
C0023	0234	-	15 T	22 T	24 T	26 T	26 T	
C0050	0146	30 T	-	-	-	-	-	
C0058	0551	30 T	-	-	-	-	-	
C0058	0557	30 T	-	-	-	-	-	
C0061	0163	-	15 T	23 T	27 T	30 T	30 T	
C0101	0005	-	14 T	14 T	15 T	16 T	16 T	
C0160	0649	30 T	-	-	-	-	-	
T0013	0084	-	12 T	13 T	15 T	22 T	22 T	
T0028	0136	-	15 T	19 T	20 T	21 T	22 T	
T0091	0002	-	15 T	23 T	27 T	31 T	32 T	
T0116	0097	-	15 T	23 T	27 T	31 T	33 T	
T0123	0221	-	14 T	14 T	15 T	16 T	16 T	
T0323	0307	-	15 T	23 T	27 T	31 T	31 T	
T0332	0141	-	10 T	11 T	12 T	13 T	14 T	
T0451	0153	-	15 T	23 T	26 T	30 T	34 T	
T0607	0243	-	15 T	20 T	22 T	23 T	24 T	
T0613	0045	-	15 T	23 T	24 T	27 T	31 T	
T0652	0301	-	13 T	14 T	15 T	16 T	17 T	

Condition	Bridges
9 - Excellent	18
8 - Very Good	30
7 - Good	72
6 - Satisfactory	121
5 - Fair	33
4 - Poor	7
3 - Serious	0
2 - Critical	0
1 - Imminent Failure	0

Sufficiency Rating	Bridges
90-100	87
80-90	95
70-80	52
60-70	24
50-60	9
40-50	6
30-40	3
<30	5

Road Type	Bridges
County Roads	101
Township Roads	180
Total	281

2018 Scheduled Bridge Replacement & Rehab		
Road	SLM	Condition
CR 001	0478	4A
CR 019	0314	4A
CR 070	0177	5A
TR 305	0164	7A
TR 374	0190	5A
TR 562	0020	5A

(P) Indicates Load Restriction

2018 EQUIPMENT NEEDS

April 16, 2018

Holmes County Commissioners
2 Court Street, Suite 14
Millersburg, Ohio 44654

Gentlemen:

ORC 5549.01 requires the County Engineer to file written recommendations with Board of County Commissioners on machinery, tools, and equipment that should be purchased for use during the ensuing year and estimated cost thereof.

Here is the list of items to be purchased in 2018.

Dura Patcher (Wayne County)	\$ 25,000
Truck	\$ 30,000
Drone (Bridge Inspection)	<u>\$ 10,000</u>
GRAND TOTAL	\$ 65,000

In addition, the sales of equipment to downsize our existing fleet has netted \$53,000 this year.

Sincerely,
HOLMES COUNTY ENGINEER

Christopher R. Young, P.E., P.S.