

Annual Report

2014

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It has been another long and cold winter. I am glad to hear the sound of spring in the air; however, the extent of the damage to our roads from this winter is disheartening, especially to a civil engineer!

Every spring we begin to work as hard as we can, with decreasing funds, to patch and fix our deteriorating infrastructure to get them looking somewhat good by the fall (one step forward) and every year by the end of winter the work we did is destroyed (two steps back). Then we repeat the cycle!! Albert Einstein is quoted as saying "Insanity is doing the same thing over and over again and expecting different results".

Stop this bus and let us off! We need to try something different! Since the politicians at the State and Federal levels can't seem to make a decision on how we are going to financially sustain our infrastructure and considering the ever escalating cost of materials; paving over the potholes and waiting for them to reappear is not an option.

We can no longer pave over our roads, we need to rebuild our roads from the base up. Most of the roads we are responsible for started as dirt paths wore in by the early settlers and progressed over a hundred years or so by gradually widening and putting stone on them, then a layer of oil, then maybe some chip seal, and then maybe some asphalt if you are lucky. In some places we have just two inches of asphalt on top of these old dirt paths. These roads are not made to hold up to the modern day car and truck traffic.

This year it is my goal as your County Engineer to start the long process to rebuild our roads from below the base up. What does this mean? We want to invest in a road reclaimer (think of it as a big roto-tiller). We will take this machine and grind up the asphalt down beneath the dirt path and mix in new stone/lime/asphalt grindings to stabilize the road base. We will regrade the road to correct the profile, recompact the stabilized base and then add a new wearing surface. This will be a long and tedious process. It is my goal to reclaim/recycle 20 miles of road per year. Given that we have 250 miles of roads we are responsible for, it will take about 13 years to complete.

Please bear with us because some roads will get worse before they get better, but when we are done, the future generations in Holmes County will have the infrastructure they deserve!

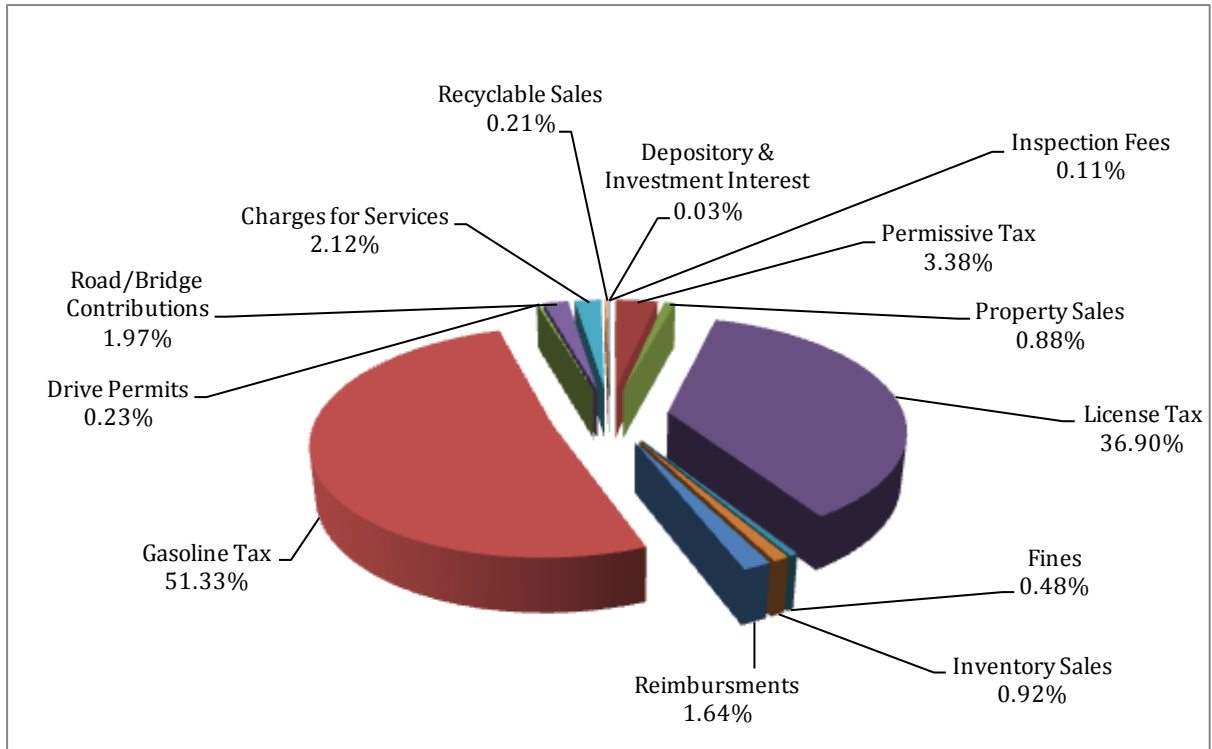
I respectfully submit this annual report required by Ohio Revised Code Ch. 5543.

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

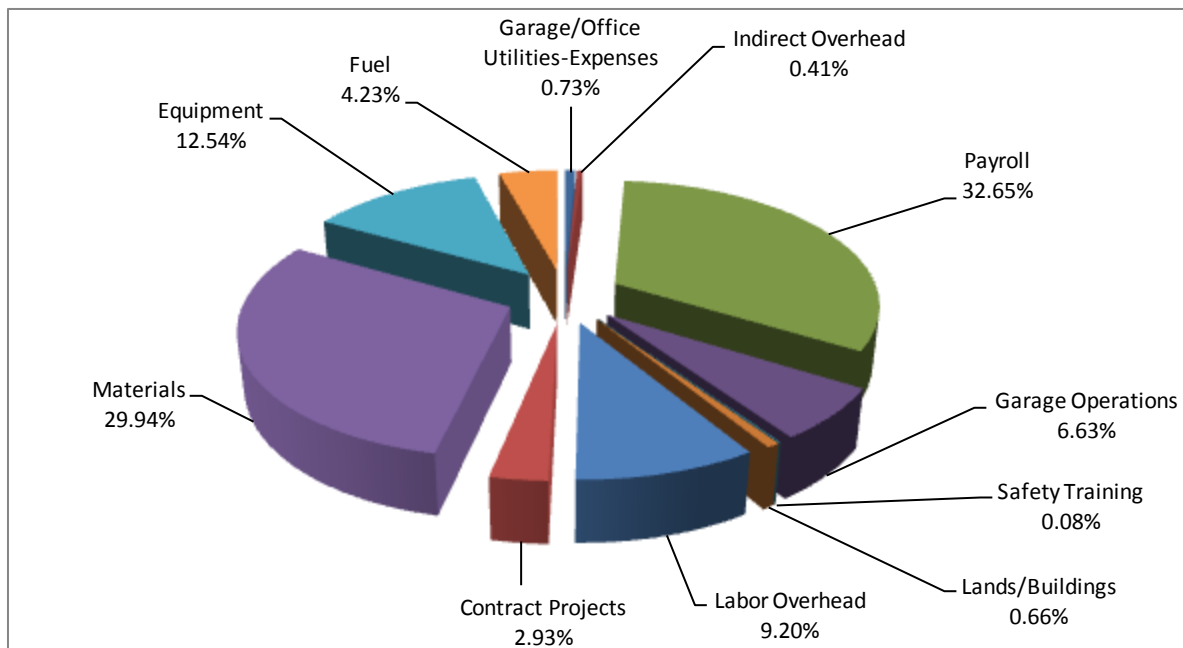
Holmes County Engineer

2014 BUDGET

WHERE THE MONEY COMES FROM



HOW THE MONEY WAS SPENT



2014 ROAD PROJECTS



Snow/Ice Removal



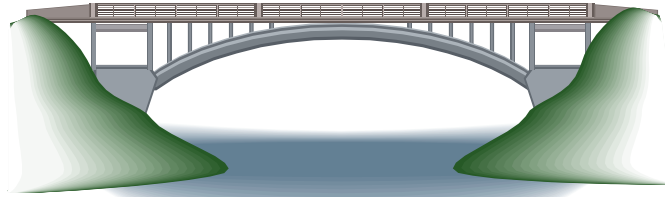
Berming CR-51

2014 Road Projects	Equipment	Labor	Material	Total
Culverts/Catch Basins Install & Repaired	\$26,297.03	\$41,433.54	\$84,661.12	\$152,391.69
Snow/Ice Removal 10/13-03/14	\$137,349.00	\$165,837.56	\$252,880.78	\$556,067.34
Ditching	\$38,998.11	\$53,776.54	\$480.67	\$93,255.32
Patching	\$90,643.88	\$145,614.38	\$308,412.20	\$544,670.46
Hauling Stock	\$22,896.75	\$20,519.59	\$0.00	\$43,416.34
Berming/Washout Repairs	\$29,445.56	\$39,249.20	\$14,148.87	\$82,843.63
Mowing	\$89,953.00	\$62,646.07	\$0.00	\$152,599.07
Chip and Seal	\$0.00	\$0.00	\$0.00	\$0.00
Leveling	\$15,224.75	\$15,962.15	\$224,462.64	\$255,649.54
Brush & Tree Removal	\$31,050.77	\$52,460.04	\$0.00	\$83,510.81
Signage	\$24,101.52	\$45,899.28	\$7,025.03	\$77,025.83
Equipment Moving	\$5,023.00	\$6,471.28	\$0.00	\$11,494.28



Culvert Replacement

2014 BRIDGE PROJECTS



TR 474-0137

Equipment	\$ 7,674.00
Labor	13,700.81
Material	12,019.25
Total	\$ 33,394.06

TR 180-0034

Equipment	\$ 12,064.25
Labor	24,807.41
Material	51,703.93
Total	\$ 88,575.59

CR 172-0221

Equipment	\$ 12,444.48
Labor	32,600.14
Material	45,118.39
Total	\$ 90,163.01

CR 400-0225

Equipment	\$ 2,363.63
Labor	6,806.51
Material	9,036.75
Total	\$ 18,206.89

2014 GRANT PROJECTS

Guardrail Phase 8

Federal Grant for installation of 17,000 feet of guardrail:

A cost of \$300,001.00 was granted from CSTP/LBR for the project.



Curve Sign Improvements

Total \$37,349.00

Funded by a grant from HSIP



2014 BRIDGE SUMMARY

2015 HOLMES COUNTY BRIDGE SUMMARY AS REQUIRED BY ORC 5543.20

Condition	Bridges
9 - Excellent	20
8 - Very Good	31
7 - Good	74
6 - Satisfactory	116
5 - Fair	33
4 - Poor	6
3 - Serious	2
2 - Critical	0
1 - Immanent Failure	0

Sufficiency Rating	Bridges
90-100	100
80-90	93
70-80	39
60-70	27
50-60	13
40-50	3
30-40	3
<30	4

Road Type	Bridges
County Roads	101
Township Roads	179
Municipality	2
Total	282

Posted Bridges						
ROAD	SLM	GROS	2F1	3F1	4F1	5C1
C0022	0861	-	15 T	20 T	22 T	36 T
C0050	0146	30 T	-	-	-	-
C0058	0551	30 T	-	-	-	-
C0058	0557	30 T	-	-	-	-
C0101	0005	-	15 T	16 T	17 T	29 T
C0160	0649	30 T	-	-	-	-
C0207	0006	12 T	-	-	-	-
T0028	0136	-	15 T	18 T	21 T	34 T
T0055	0328		15 T	19 T	21 T	35 T
T0091	0002	35 T	-	-	-	-
T0123	0221		13 T	14 T	15 T	26 T
T0221	0006		13 T	14 T	16 T	26 T
T0323	0307	-	15 T	21 T	23 T	39 T
T0332	0141		10 T	11 T	12 T	20 T
T0355	0242		12 T	13 T	14 T	23 T
T0451	0153	28 T	-	-	-	-
T0506	0231	-	12 T	14 T	15 T	25 T
T0525	0072	-	13 T	14 T	16 T	26 T
T0607	0243		15 T	22 T	24 T	40 T
T0613	0045		15 T	23 T	26 T	40 T
T0652	0301	-	14 T	16 T	17 T	29 T

2014 Scheduled Bridge Replacements & Rehabs					
Road	SLM	Condition	Road	SLM	Condition
CR 022	0861	3P	TR 355	0241	5P*
CR 207	0060	3K	TR 374	0190	5
TR 055	0328	4P	TR 506	0231	4P
TR 221	0060	4P	TR 607	0243	6P

(*) Indicates Rehab (P) Indicates Load Restriction
(K) Indicates Closed

4/7/2014

2015 EQUIPMENT NEEDS

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.

If funding is available, here is the list of items to be purchased in 2015.

Road Reclaimer	\$600,000 (Lease)
Water Truck	\$ 50,000
Roller	\$ 80,000
Asphalt Distributor	\$120,000
Chip Spreader	\$ 80,000
GRAND TOTAL	\$930,000

Sincerely,

HOLMES COUNTY ENGINEER

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