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BRIDGE SUFFICIENCY RATINGS

Year	Poor 0-50	Fair 51-70	Good-Excellent 71-100	Year	Poor 0-50	Fair 51-70	Good-Excellent 71-100
2009	7.4%	8.3%	84.3%	2016	3.0%	6.1%	90.9%
2010	7.4%	7.0%	85.6%	2017	3.5%	3.0%	93.5%
2011	6.1%	7.9%	86%	2018	3.0%	3.0%	94%
2012	5.2%	7.4%	87.4%	2019	2.1%	2.1%	95.8%
2013	3.9%	8.3%	87.8%	2020	2.1%	2.1%	95.8%
2014	3.9%	7.4%	88.7%	2021	0.9%	1.7%	97.4%
2015	3.5%	6.5%	90%	2022	0.9%	1.3%	97.8%



Defiance County Engineer Annual Report 2022

FROM THE DESK OF
 WARREN J. SCHLATTER, P.E., P.S.



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DEFIANCE—It is my privilege to present the Annual Report for the Office of the Defiance County Engineer for the year 2022.

Our Highway Garage Staff did much of the support work for the roadside grading and widening work. There were a total of thirty-five culverts replaced this year. They continued with their various other duties as well (replacing berm, mowing, patching, sign replacement, roadside tree trimming and removal, snow & ice control/removal, etc.).

This year we widened several roads through out the County. Here are some of the roads that were widened: Power Dam Rd between Campbell Rd and Defiance Paulding County Line Rd, Hicksville Edgerton Rd between Elm St and SR 249.

We had two bridge rehabilitations this year. Hopkins Street Bridge East of SR 66. The prime contractor for Hopkins was Miller Brothers Construction. The beams and deck were replaced. Harding Rd N of Watson Rd the deck was replaced by Vernon Nagel. The bridge on Power Dam Rd West of Parkview Dr was replaced with a large culvert.

Our administrative staff manages the overall office functions and budget of the Engineer's Office. They also help with the designing, engineering and overseeing of all aspects of the construction projects. With their diligence, we were able to obtain \$4,026,749.90

in federal and state grants for this year's projects as well.

I want to take this opportunity to thank the residents of Defiance County for the opportunity to serve you.

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

Warren J. Schlatter

2022 BRIDGE WORK AND MAJOR ROAD WORK

2022 Road Paving			
Location	Cost	Widened From	Widened To
Mekus Rd btw SR 66 and Moser Rd	\$272,968.64	16'	18'
Moser Rd btw Allen and the Defiance Henry Cty Ln Rd	\$197,166.74	16'	18'
Power Dam Rd btw Campbell and the Defiance Paulding Cty Ln Rd	\$303,109.25	18'	22'
Hicksville Edgerton Rd btw Buckskin and SR 249	\$423,888.34	20'	24'
Hicksville Edgerton Rd btw Buckskin and Elm St	\$214,193.02	20'	22'
Buckskin Rd btw SR 49 and the Ohio Indiana State Line Rd	\$391,011.58	18'	22'

2022 ACTUAL INCOME & EXPENSES

<u>2022 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	471,937	Salaries	1,271,652
Motor Vehicle License Tax	1,563,714	Benefits	505,222
Motor Vehicle Fuel Tax	3,700,503	Materials & Supplies	823,346
Court Fines	22,377	Equipment	254,008
Sales (Maps, Prints, etc.)	469	Contracted Repairs	82,976
Other	154,699	Office Expenses	2,593
Reimbursements	18,833	Other Expenses	54,236
Interest	8,089	Contracted Services	23,245
Transfers	8,777	Contracted Projects	3,179,468
State Reimbursements	3,784	Land Acquisition (right of way)	5,545
State Grant Advances	-	State Grant Advances	-
OPWC	923,692	Grants to Townships.	150,920
Federal Grants	3,103,058	Grant Matching Funds & FHWA	3,951,750
Total Income	\$9,979,930	Total Expenditures	\$10,304,960
Outstanding Encumbrances	364,437	Outstanding Encumbrances	36,721
2021 Carryover to 2022	1,670,520	2022 Carryover to 2023	1,673,206
Total Disbursements	\$12,014,888	Total Disbursements	\$12,014,888

SNOW & ICE CONTROL

Snow & Ice Control costs were typical during November 1, 2021 through March 1, 2022 season. There were many smaller events that characterized this season. Below is a comparison of the last 3 seasons.

	2019-2020	2020-2021	2021-2022
Labor	\$28,430.68	\$32,969.18	\$30,052.14
Overtime	\$24,337.53	\$44,558.01	\$29,766.80
Equipment	\$115,907.96	\$193,310.86	\$137,606.79
Material	\$105,199.39	\$140,586.43	\$105,154.74
Total Seasonal Cost	\$273,875.56	\$411,424.48	\$304,580.47

2022 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	13
Stop Ahead	25
Warning	12
Road Name	103
Other Regulatory	18
Total	171

Reason	Quantity
Accident	3
Vandalism	2
Stolen	106
Normal wear (Faded, cracked, upgrade, etc.)	60
Total	171

2022 ROAD RESURFACING PROGRAM

RESURFACING:

County:

Buckskin	2.93 miles
Hicksville Edgerton	3.98 miles
Hicksville Edgerton	1.84 miles
Mekus	2.91 miles
Moser	1.99 miles
Power Dam	2.78 miles
18,170 tons of asphalt applied	

Townships:

6 Township	9.70 miles
9,031 tons of asphalt applied	

Total Cost: \$1,413,329.12

2022 PATCHING & REPAIR

2,321 tons of asphalt were used this year to patch and repair county roadways at a cost of \$311,861.90.

1,168 tons of asphalt were used to patch and repair township roadways in the following townships: Adams, Defiance, Farmer, Highland, Mark, Milford, Noble and Washington. The cost to the townships was \$156,739.56.

2022 BRIDGE REHAB

Bridge Rehab	
Location	Cost
Hopkins St E of SR 66	\$2,382,365.25
Harding Rd N of Watson Rd	\$884,011.49

2022 CHIP SEALING

696 tons of stone and 21,300 gallons of liquid asphalt were applied to 8.26 miles of county roadways during this year's chip sealing program. This year's cost was \$62,515.94.

39.01 miles of township roads were chip sealed using 4,991 tons of stone and 151,329 gallons of liquid asphalt at a cost of \$409,369.72. All the townships participated this year except two.

2022 PAVEMENT MARKING PROGRAM

1,673 gallons of paint were applied to county and township roads during the 2022 Pavement Marking Program at a total cost of \$136,984.64. The markings included:

Type	County	Township
Centerline	34.93 Mi.	8.76 Mi.
Edge Line	67.63 Mi.	5.53 Mi.
Stop Lines	17	2
Railroad Crossings	2	2
School Zones	0	0

2022 PERMITS

Driveway	58
Utility Occupancy	31
Excavation	0
Ditch Enclosure	0
Storm water/Sanitary Discharge	1
Special Hauling	7
R/W Occupancy	3
TOTAL	100

2022 Vegetation Control

The east half of the county was sprayed for vegetation control in 2022.

26,100 gallons were applied at a cost of \$18,374.40.

Noble and Tiffin townships participated this year.

2022 Right of Way Acquisition

Additional right of way is purchased for many new projects. This year's acquisitions included:

0 Temporary easements totaling 0 acres

5 Permanent parcels totaling 2.264 acres

Total cost: \$465.00