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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
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%
2016	3.0%	6.1%	90.9%	2023	0.4%	1.3%	98.3%
2017	3.5%	3.0%	93.5%	2024	0%	3.1%	96.9%



Defiance County Engineer
Annual Report
2024

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 2024.

Our Highway Garage Staff did much of the support work for the roadside grading and widening work. There were a total of nineteen 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: Arrowsmith Rd between SR 49 and Ohio Indiana State Line Rd, Buckskin Rd between Coy and The Bend Rd, Clemmer Rd from the Village limits to Jericho Rd, Fullmer Rd between Bowman and Watson Rd, Schick between Trinity and Evansport Rd, Mansfield Rd between Schubert and the Defiance Paulding County Line Rd, and the Ohio Indiana State Line Rd between Indiana Rd 68 and Hicksville Spencerville Rd.

We replaced one bridge this year. Mansfield Road Bridge between Painter and Highland Center Rd. The prime contractor for Mansfield was Vernon Nagel, Inc.

This year we paved of The Bend Rd between CR 424 to SR 18 and from SR 15 to the Defiance Williams County Line Rd, Farmer Mark Rd between SR 18 and SR 249, Christy Rd between SR 15 and Elliott Rd and Banner School Rd between Egler Rd and the Defiance Henry

County Line Rd.

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 \$2,076,132.00 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

2024 BRIDGE WORK AND MAJOR ROAD WORK

2024 Road Paving			
Location	Cost	Widened From	Widened To
Arrowsmith Rd btw SR 49 & the Ohio Indiana State Line	\$250,415.00	14'	18'
Buckskin Rd btw Coy & The Bend Rd	\$64,370.00	18.5'	20.5'
Clemmer Rd from Village Limits to Jericho Rd	\$114,767.00	20'	22'
Schick Rd btw Evansport & Trinity Rd	\$56,520.00	17'	19'
Christy Rd btw SR 15 & Elliott Rd	\$95,541.58		
Farmer Mark Rd btw SR 18 & SR 249	\$151,925.32		
The Bend Rd btw CR 424 & SR 18 & SR 15 & the Defiance Williams Cty Ln	\$156,572.34		

2024 ACTUAL INCOME & EXPENSES

<u>2024 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	476,130	Salaries	1,366,526
Motor Vehicle License Tax	1,642,970	Benefits	581,709
Motor Vehicle Fuel Tax	3,871,745	Materials & Supplies	966,636
Court Fines	29,421	Equipment	329,086
Sales (Maps, Prints, etc.)	-	Contracted Repairs	84,000
Other	204,192	Office Expenses	5,304
Reimbursements	-	Other Expenses	61,068
Interest	9,756	Contracted Services	26,008
Transfers	10,000	Contracted Projects	2,701,953
State Reimbursements	5,247	Land Acquisition (right of way)	96,585
State Grant Advances	-	State Grant Advances	-
OPWC	532,622	Grants to Townships.	195,592
Federal Grants	1,566,698	Grant Matching Funds & FHWA	2,099,320
Total Income	\$8,348,779	Total Expenditures	\$8,513,788
Outstanding Encumbrances	369,519	Outstanding Encumbrances	113,937
2023 Carryover to 2024	1,863,633	2024 Carryover to 2025	1,954,205
Total Revenue	\$10,581,930	Total Disbursements	\$10,581,930

SNOW & ICE CONTROL

Snow & Ice Control costs were typical during November 1, 2023 through March 1, 2024 season. There were many smaller events that characterized this season. Below is a comparison of the last 3 seasons.

	2021-2022	2022-2023	2023-2024
Labor	\$30,052.14	\$25,811.74	\$23,041.70
Overtime	\$29,766.80	\$22,025.31	\$30,082.38
Equipment	\$137,606.79	\$118,500.28	\$156,336.48
Material	\$105,154.74	\$69,203.59	\$120,293.44
Total Seasonal Cost	\$304,580.47	\$235,540.92	\$329,754.00

2024 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	37
Stop Ahead	5
Warning	26
Road Name	50
Other Regulatory	10
Total	128

Reason	Quantity
Accident	8
Vandalism	3
Stolen	60
Normal wear (Faded, cracked, upgrade, etc.)	57
Total	128

2024 ROAD RESURFACING PROGRAM

RESURFACING:

County:

Arrowsmith	2.95 miles
Buckskin	1.5 miles
Clemmer	0.66 miles
Clemmer	1.37 miles
Nagel	1.00 miles
Openlander	2.02 miles
Mansfield	0.23 miles
Schick	1.25 miles
11,419 tons of asphalt applied	

Townships:

7 Township	14.31 miles
13,061 tons of asphalt applied	

Total Cost: \$2,427,794.62

2024 CRACK SEALING

11,500 pounds of crack sealing material were applied to **31.13** miles of county roadways at a cost of **\$17,802**.

15.25 miles of township roadways were sealed using **42,500** pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was **\$65,790**.

2024 CHIP SEALING

1,293 tons of stone and **36,965** gallons of liquid asphalt were applied to **9.43** miles of county roadways during this year's chip sealing program. This year's cost was **\$140,581.24**.

37.29 miles of township roads were chip sealed using **4,411** tons of stone and **136,111** gallons of liquid asphalt at a cost of **\$464,617.43**. All the townships participated this year except three.

2024 PERMITS

Driveway	25
Utility Occupancy	54
Excavation	0
Ditch Enclosure	1
Storm water/Sanitary Discharge	0
Special Hauling	10
R/W Occupancy	<u>13</u>
TOTAL	103

2024 Vegetation Control

The east half of the county was sprayed for vegetation control in 2024.

37,392 gallons were applied at a cost of **\$26,904.00**.

There were no township participation this year.

2024 PATCHING & REPAIR

1,311 tons of asphalt were used this year to patch and repair county roadways at a cost of **\$305,493.56**.

1,470 tons of asphalt were used to patch and repair township roadways in the following townships: Adams, Defiance, Farmer, Hicksville, Highland, Mark, Milford, Noble, Richland and Washington. The cost to the townships was **\$254,188.14**.

2024 PAVEMENT MARKING PROGRAM

2,575 gallons of paint were applied to county and township roads during the 2024 Pavement Marking Program at a total cost of **\$171,564.27**. The markings included:

Type	County	Township
Centerline	54.49 Mi.	2.9 Mi.
Edge Line	104.24 Mi.	6 Mi.
Stop Lines	15	0
Railroad Crossings	0	0
School Zones	0	0

2024 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
8 Permanent parcels totaling 2.371 acres

Total cost: \$14,201.00