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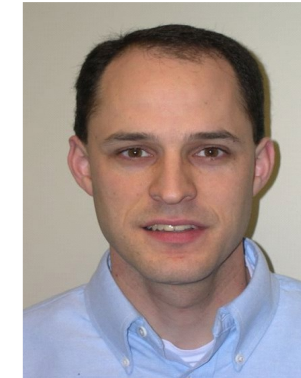
BRIDGE SUFFICIENCY RATINGS

| Year | Poor 0-50 | Fair 51-70 | Good-Excellent 71-100 | Year | Poor 0-50 | Fair 51-70 | Good-Excellent 71-100 |
|------|--------------|---------------|--------------------------|------|--------------|---------------|--------------------------|
| 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% |
| 2016 | 3.0% | 6.1% | 90.9% | 2023 | 0.4% | 1.3% | 98.3% |



**Defiance County Engineer
 Annual Report
 2023**

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



INSIDE THIS ISSUE:

| | |
|------------------------------|---|
| 2023 Budget | 2 |
| Snow/Ice Control | 2 |
| Sign Replacement | 2 |
| Resurfacing/Pavement Program | 3 |
| Permits/Right-of-Way | 3 |
| Vegetation Control | 3 |
| Bridge Sufficiency Ratings | 4 |

DEFIANCE—It is my privilege to present the Annual Report for the Office of the Defiance County Engineer for the year 2023.

Our Highway Garage Staff did much of the support work for the roadside grading and widening work. There were a total of twenty-four 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 Rosedale Rd, Buckskin Rd between Trinity Rd and SR 15, Scott Rd between SR 2 and Cicero Rd and Walnut Grove Rd between Nagel Rd and the Defiance Henry County Line Rd.

We had two bridge replacement this year. Evansport Road Bridge North of Schick Rd. The prime contractor for Evansport was RG Zachrich Construction. The beams and deck were replaced. Bowman Rd near Sponseller Rd was replaced by the Defiance County Highway Crew.

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

2023 BRIDGE WORK AND MAJOR ROAD WORK

| 2023 Road Paving | | | |
|---|--------------|--------------|------------|
| Location | Cost | Widened From | Widened To |
| Arrowsmith Rd btw SR 49 and Rosedale Rd | \$294,756.89 | 14' | 18' |
| Buckskin Rd btw Trinity Rd and SR 15 | \$109,635.78 | 18' | 22' |
| Holly Rd btw the Defiance Paulding Cty Ln Rd and SR 15 | \$49,534.43 | 17' | 19' |
| Scott Rd btw Cicero Rd and SR 2 | \$539,630.24 | 18' | 20-22' |
| Walnut Grove Rd btw Nagel Rd and the Defiance Henry Cty Ln Rd | \$100,975.82 | 14' | 18' |

2023 ACTUAL INCOME & EXPENSES

| <u>2023 Revenue</u> | | <u>Disbursements</u> | |
|----------------------------|---------------------|---------------------------------|---------------------|
| Permissive Tax | 478,627 | Salaries | 1,352,022 |
| Motor Vehicle License Tax | 1,683,607 | Benefits | 620,157 |
| Motor Vehicle Fuel Tax | 3,827,153 | Materials & Supplies | 1,071,237 |
| Court Fines | 27,542 | Equipment | 287,098 |
| Sales (Maps, Prints, etc.) | - | Contracted Repairs | 83,997 |
| Other | 247,338 | Office Expenses | 4,535 |
| Reimbursements | - | Other Expenses | 49,192 |
| Interest | 9,576 | Contracted Services | 25,468 |
| Transfers | 9,999 | Contracted Projects | 2,067,374 |
| State Reimbursements | 8,285 | Land Acquisition (right of way) | 14,200 |
| State Grant Advances | - | State Grant Advances | - |
| OPWC | 649,573 | Grants to Townships. | 193,621 |
| Federal Grants | 1,426,559 | Grant Matching Funds & FHWA | 2,076,132 |
| Total Income | \$8,368,259 | Total Expenditures | \$7,845,033 |
| Outstanding Encumbrances | 36,721 | Outstanding Encumbrances | 369,519 |
| 2022 Carryover to 2023 | 1,673,206 | 2023 Carryover to 2024 | 1,863,633 |
| Total Assets | \$10,078,186 | Total Disbursements | \$10,078,186 |

SNOW & ICE CONTROL

Snow & Ice Control costs were typical during November 1, 2022 through March 1, 2023 season. There were many smaller events that characterized this season. Below is a comparison of the last 3 seasons.

| | 2020-2021 | 2021-2022 | 2022-2023 |
|----------------------------|---------------------|---------------------|---------------------|
| Labor | \$32,969.18 | \$30,052.14 | \$25,811.74 |
| Overtime | \$44,558.01 | \$29,766.80 | \$22,025.31 |
| Equipment | \$193,310.86 | \$137,606.79 | \$118,500.28 |
| Material | \$140,586.43 | \$105,154.74 | \$69,203.59 |
| Total Seasonal Cost | \$411,424.48 | \$304,580.47 | \$235,540.92 |

2023 SIGN REPLACEMENTS

| Type of Sign | Quantity |
|------------------|------------|
| Stop Sign | 37 |
| Stop Ahead | 20 |
| Warning | 32 |
| Road Name | 61 |
| Other Regulatory | 16 |
| Total | 166 |

| Reason | Quantity |
|---|------------|
| Accident | 2 |
| Vandalism | 15 |
| Stolen | 61 |
| Normal wear (Faded, cracked, upgrade, etc.) | 88 |
| Total | 166 |

2023 ROAD RESURFACING PROGRAM

RESURFACING:

County:

| | |
|--------------------------------|------------|
| Arrowsmith | 3.00 miles |
| Buckskin | 1.00 miles |
| Defiance Paulding Cty Ln | 2.44 miles |
| Evansport | 0.73 miles |
| Holly | 0.46 miles |
| Scott | 4.44 miles |
| Walnut Grove | 1.00 miles |
| 12,990 tons of asphalt applied | |

Townships:

| | |
|-------------------------------|-------------|
| 7 Township | 10.40 miles |
| 8,130 tons of asphalt applied | |

Total Cost: \$2,299,139.78

2023 PATCHING & REPAIR

1,773 tons of asphalt were used this year to patch and repair county roadways at a cost of **\$249,487.13**.

1,312 tons of asphalt were used to patch and repair township roadways in the following townships: Farmer, Hicksville, Highland, Mark, Milford, Noble, Richland and Washington. The cost to the townships was **\$184,034.26**.

2023 CRACK SEALING

33,750 pounds of crack sealing material were applied to 33.43 miles of county roadways at a cost of **\$49,376.25**.

10.41 miles of township roadways were sealed using 43,250 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was **\$63,274.75**.

2023 CHIP SEALING

3,136 tons of stone and 90,900 gallons of liquid asphalt were applied to 23.97 miles of county roadways during this year's chip sealing program. This year's cost was **\$322,365.98**.

33.41 miles of township roads were chip sealed using 4,254 tons of stone and 114,203 gallons of liquid asphalt at a cost of **\$393,059.31**. All the townships participated this year except two.

2023 PAVEMENT MARKING PROGRAM

2,118 gallons of paint were applied to county and township roads during the 2023 Pavement Marking Program at a total cost of **\$146,868.95**. The markings included:

| Type | County | Township |
|--------------------|-----------|----------|
| Centerline | 37.54 Mi. | 3.67 Mi. |
| Edge Line | 70.11 Mi. | 2.05 Mi. |
| Stop Lines | 31 | 3 |
| Railroad Crossings | 0 | 0 |
| School Zones | 1 | 0 |

2023 PERMITS

| | |
|--------------------------------|------------|
| Driveway | 23 |
| Utility Occupancy | 52 |
| Excavation | 0 |
| Ditch Enclosure | 2 |
| Storm water/Sanitary Discharge | 0 |
| Special Hauling | 19 |
| R/W Occupancy | 5 |
| TOTAL | 101 |

2023 Vegetation Control

The west half of the county was sprayed for vegetation control in 2023. 31,488 gallons were applied at a cost of **\$22,656.00**. Hicksville township participated this year.

2023 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 2.301 acres

Total cost: **\$14,200.00**