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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
2006	14.7%	8.6%	76.7%	2013	3.9%	8.3%	87.8%
2007	11.3%	9.1%	79.6%	2014	3.9%	7.4%	88.7%
2008	8.8%	8.3%	82.9%	2015	3.5%	6.5%	90%
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%



## Defiance County Engineer Annual Report 2019

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 2019.

Our Highway Garage Staff did much of the support work for the roadside grading and widening work. There were a total of eleven

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 paved and widened several roads throughout the County. Some of these roads include: Harris Rd between Blanchard Rd and Hoffman Rd, The Bend Rd between Bradshaw Rd and Blosser Rd, Defiance Ayersville Pleasant Bend Rd between Harris Rd and the Defiance Henry County Line Rd, Scott Rd between Glenburg Rd and Evansport Rd and CR 424 between N. Clinton St and the Independence Dam State Park.

Lake Shore Drive in Noble Township more specifically in Lake Christi Meadows was cement stabilized and paved. Haymaker Driver in Defiance Township was also cement stabilized and paved. Both of these roads are now public roads. This was done by assessment to the residents who petitioned for them to be made public.

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 \$1,077,200.56 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**

### 2019 BRIDGE WORK AND MAJOR ROAD WORK

2019 Road Paving	
Location	Cost
The Bend btw Bradshaw and Blosser Rd	\$122,450.68
DAPB btw Harris and the Defiance Henry County Line Rd	\$271,696.11
Harris btw Blanchard and Hoffman Rd	\$123,357.02
Scott Rd btw Glenburg and Evansport Rd	\$342,706.00
CR 424 btw N. Clinton and the Independence Dam State Park	\$1,641,867.44

2019 Bridge Replacement	
Location	Cost
Arrowsmith btw Cicero & Rosedale Rd	\$91,807.31
Nagel Rd E of SR 66	\$44,233.51
Walnut Grove Rd N of Nagel Rd	\$56,513.27
Williams Defiance County Line Rd W of Christy Rd	\$61,934.60

2019 ACTUAL INCOME & EXPENSES

<u>2019 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	444,351	Salaries	1,153,958
Motor Vehicle License Tax	1,457,912	Benefits	539,104
Motor Vehicle Fuel Tax	2,939,200	Materials & Supplies	1,379,774
Court Fines	27,483	Equipment	298,238
Sales (Maps, Prints, etc.)	35	Contracted Repairs	79,355
Other	190,134	Office Expenses	1,302
Reimbursements	41,390	Other Expenses	57,101
Interest	30,754	Contracted Services	15,354
Transfers	4,999	Contracted Projects	1,451,813
State Reimbursements	15,874	Land Acquisition (right of way)	6,792
State Grant Advances	75,000	State Grant Advances	-
OPWC	643,831	Grants to Townships.	194,687
Federal Grants	433,370	Grant Matching Funds & FHWA	1,077,201
<b>Total Income</b>	<b>\$6,304,333</b>	<b>Total Expenditures</b>	<b>\$6,254,679</b>
Outstanding Encumbrances	68,616	Outstanding Encumbrances	185,920
2018 Carryover to 2019	1,931,312	2019 Carryover to 2020	1,863,661
<b>Total Disbursements</b>	<b>\$8,304,261</b>	<b>Total Disbursements</b>	<b>\$8,304,261</b>

SNOW & ICE CONTROL

Snow & Ice Control costs were some what higher during November 1, 2018 through March 1, 2019 season. There were many smaller events that characterized this season. Below is a comparison of the last 3 seasons.

	2016-2017	2017-2018	2018-2019
Labor	\$25,132.27	\$35,491.20	\$25,531.84
Overtime	\$20,688.97	\$36,964.79	\$33,927.55
Equipment	\$103,158.16	\$179,107.43	\$127,980.57
Material	\$65,621.39	\$81,752.88	\$90,191.84
<b>Total Seasonal Cost</b>	<b>\$214,600.79</b>	<b>\$333,316.30</b>	<b>\$277,631.80</b>

2019 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	25
Stop Ahead	1
Warning	8
Road Name	40
Other Regulatory	5
<b>Total</b>	<b>79</b>

Reason	Quantity
Accident	2
Vandalism	12
Stolen	48
Normal wear (Faded, cracked, upgrade, etc.)	17
<b>Total</b>	<b>79</b>

2019 ROAD RESURFACING PROGRAM  
RESURFACING:

**County:**

CR 424	4.66 miles
DAPB Rd	2.75 miles
Harris Rd	1.00 miles
Scott Rd	3.28 miles
The Bend Rd	0.98 miles
15,594 tons of asphalt applied	

**Townships:**

5 Township	5.51 miles
6,305 tons of asphalt applied	
<b>Total Cost:</b>	<b>\$2,039,711.35</b>

2019 PATCHING & REPAIR

1,766 tons of asphalt were used this year to patch and repair county roadways at a cost of \$215,996.85.

1,248 tons of asphalt were used to patch and repair township roadways in the following townships: Adams, Defiance, Hicksville, Highland, Mark, Milford, Richland and Washington. The cost to the townships was \$152,008.45

2019 CRACK SEALING

31,398 pounds of crack sealing material were applied to 19 miles of county roadways at a cost of \$34,694.79.

15 miles of township roadways were sealed using 40,340 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was \$44,575.70.

2019 CHIP SEALING

5,994 tons of stone and 156,400 gallons of liquid asphalt were applied to 43.91 miles of county roadways during this year's chip sealing program. This year's cost was \$442,951.10.

48.74 miles of township roads were chip sealed using 4,524 tons of stone and 176,244 gallons of liquid asphalt at a cost of \$500,079.38. All the townships participated this year except two.

2019 PAVEMENT MARKING PROGRAM

2,611 gallons of paint were applied to county and township roads during the 2019 Pavement Marking Program at a total cost of \$126,835.18. The markings included:

Type	County	Township
Centerline	48.43 Mi.	11.25 Mi.
Edge Line	93.67 Mi.	10.71 Mi.
Stop Lines	39	12
Railroad	3	0
School Zones	0	0

2019 PERMITS

Driveway	23
Utility Occupancy	20
Excavation	0
Ditch Enclosure	3
Storm water/Sanitary Discharge	0
Special Hauling	13
R/W Occupancy	0
<b>TOTAL</b>	<b>59</b>

2019 Vegetation Control

The west half of the county was sprayed for vegetation control in 2019.

30,700 gallons were applied at a cost of \$21,612.80.

Hicksville township participated this year.

2019 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

7 Permanent parcels totaling 1.432 acres

Total cost: \$6,792.00