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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
2004	18.5%	13.5%	68.0%	2011	6.1%	7.9%	86%
2005	16.3%	12.8%	68.0%	2012	5.2%	7.4%	87.4%
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%



## Defiance County Engineer Annual Report 2017

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 2017.

Our Highway Garage Staff replaced three county bridges and also did much of the support work for the roadside grading and widening work. There were a total of twenty-three 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: Blosser between SR 2 and Openlander Rd, New Bavaria Rd between SR 18 and the Defiance Henry County Line Rd, Moser Rd between Mekus and Allen Rd, Defiance Ayersville Pleasant Bend Rd from 1535' West of Highland Center Rd to Steinmeier Rd, Ney Williams Center Rd between SR 249 and US 127, Mansfield Rd between SR 15 and Harris Rd, Elliott Rd between SR 66 and Carpenter Rd and Carter between SR 66 and SR 15.

The paving was done by Gerken Paving and the widening was done by RG Zachrich Construction. The total project cost was \$1,287,098.07.

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 \$534,840.00 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**

### 2017 BRIDGE WORK AND MAJOR ROAD WORK

2017 Road Paving	
Location	Cost
Moser btw Allen and Mekus Rd	\$129,838.04
Carter btw SR 66 and SR 15	\$102,390.01
Elliott btw SR 66 and Carpenter Rd	\$155,000.00
DAPB btw Steinmeier and Highland Ctr Rd	\$88,621.95
Blosser btw SR 2 and Openlander Rd	\$303,576.25
New Bavaria btw SR 18 & the Defiance Henry Cty Ln Rd	\$206,251.04
Ney Williams btw SR 127 and SR 249	\$120,402.30
Mansfield btw SR 15 and Harris Rd	\$181,018.48

2017 Bridge Replacement	
Location	Cost
Breining S of Buckskin Rd	\$76,934.68
Independence N of Banner School Rd	\$61,700.43
Schultz NW of Christy Rd	\$75,291.82

2017 ACTUAL INCOME & EXPENSES

<u>2017 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	448,018	Salaries	1,103,133
Motor Vehicle License Tax	1,424,795	Benefits	558,824
Motor Vehicle Fuel Tax	2,389,285	Materials & Supplies	821,564
Court Fines	20,996	Equipment	128,817
Sales (Maps, Prints, etc.)	69	Contracted Repairs	67,716
Other	225,096	Office Expenses	4,511
Reimbursements	13,556	Other Expenses	41,187
Interest	11,698	Contracted Services	8,017
Transfers	4,999	Contracted Projects	1,455,705
State Reimbursements	3,321	Land Acquisition (right of way)	39,955
Note Proceeds	-	Note Payments	-
OPWC	787,982	Grants to Townships.	105,567
Federal Grants	1,200	Grant Matching Funds & FHWA	789,182
<b>Total Income</b>	<b>\$5,331,016</b>	<b>Total Expenditures</b>	<b>\$5,124,180</b>
Outstanding Encumbrances	24,891	Outstanding Encumbrances	67,030
2016 Carryover to 2017	1,741,738	2017 Carryover to 2018	1,906,435
<b>Total Disbursements</b>	<b>\$7,097,645</b>	<b>Total Disbursements</b>	<b>\$7,097,645</b>

SNOW & ICE CONTROL

Snow & Ice Control costs were some what lower during November 1, 2016 through March 1, 2017 season.

Below is a comparison of the last 3 seasons.

	2014-2015	2015-2016	2016-2017
Labor	\$55,220.98	\$20,985.27	\$25,132.27
Overtime	\$36,024.09	\$14,277.66	\$20,688.97
Equipment	\$163,329.99	\$72,378.65	\$103,158.16
Material	\$40,385.27	\$21,980.11	\$65,621.39
<b>Total Seasonal Cost</b>	<b>\$294,960.41</b>	<b>\$129,621.68</b>	<b>\$214,600.79</b>

2017 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	14
Stop Ahead	0
Warning	5
Road Name	35
Other Regulatory	3
<b>Total</b>	<b>57</b>

Reason	Quantity
Accident	4
Vandalism	3
Stolen	34
Normal wear (Faded, cracked, upgrade, etc.)	16
<b>Total</b>	<b>57</b>

2017 ROAD RESURFACING PROGRAM  
RESURFACING:

County:

Blosser Rd	4 miles
DAPB Rd	0.80 miles
Mansfield Rd	2.3 miles
Moser Rd	1.5 mile
New Bavaria Rd	2.12 miles
Ney Wms Ctr Rd	1.32 miles
Elliott Rd	1.0 miles
Carter Rd	0.82 miles
13,456 tons of asphalt applied	

Townships:

8 Township	4 miles
9,223 tons of asphalt applied	

**Total Cost: \$1,287,098.07**

2017 PATCHING & REPAIR

633 tons of asphalt were used this year to patch and repair county roadways at a cost of \$64,570.53.

1,678 tons of asphalt were used to patch and repair township roadways in the following townships: Defiance, Hicksville, Highland, Mark, Milford, Noble, Richland and Washington. The cost to the townships was \$171,428.43.

2017 CRACK SEALING

100,457 pounds of crack sealing material were applied to 45.5 miles of county roadways at a cost of \$105,479.85.

22 miles of township roadways were sealed using 41,296 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was \$43,360.80

2017 CHIP SEALING

2,135 tons of stone and 56,589 gallons of liquid asphalt were applied to 16.37 miles of county roadways during this year's chip sealing program. This year's cost was \$150,603.80.

58.25 miles of township roads were chip sealed using 7,265 tons of stone and 193,394 gallons of liquid asphalt at a cost of \$538,689.79. All the townships participated this year except one.

2017 PAVEMENT MARKING PROGRAM

1,687 gallons of paint were applied to county and township roads during the 2017 Pavement Marking Program at a total cost of \$62,082.29. The markings included:

Type	County	Township
Centerline	26.32 Mi.	12.73 Mi.
Edge Line	40.99 Mi.	9.74 Mi.
Stop Lines	26	2
Railroad Crossings	2	0
School Zones	1	0

2017 PERMITS

Driveway	17
Utility Occupancy	14
Excavation	0
Ditch Enclosure	3
Storm water/Sanitary Discharge	1
Special Hauling	26
R/W Occupancy	4
<b>TOTAL</b>	<b>65</b>

2017 Vegetation Control

The west half of the county was sprayed for vegetation control in 2017. 42,740 gallons were applied at a cost of \$30,088. Defiance, Hicksville, Mark and Noble townships participated this year.

2017 Right of Way Acquisition

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

7 Temporary easements totaling 0.115 acres

13 Permanent parcels totaling 5.135 acres

Total cost: \$40,255.00