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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
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%
2013	3.9%	8.3%	87.8%	2020	2.1%	2.1%	95.8%



## Defiance County Engineer Annual Report 2020

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 2020.

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: Banner School Rd from Christy Rd to 1147' West of SR 66, Blanchard Rd between Harris and Painter Rd, Buckskin Rd between Flickinger and The Bend Rd, Farmer Mark Rd between SR 18 and Fountain Street Rd, Harris Rd between Hoffman and the Defiance Putnam County Line Rd, Powers Rd between Krouse and Canal Rd and on Evansport Rd North of Kammeyer Rd all the curves were widened.

This year we cement stabilized and paved roads for two of the townships in Defiance County. The Defiance Paulding County Line Rd between Emerald and Gier Rd in Delaware Township. Huber Rd between Farmer Mark and Williams Center Cecil Rd in Mark Township.

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 \$952,697.85 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

2020 Bridge Rehab	
Location	Cost
Harris Rd btw Mansfield & the Defiance Putnam Cty Ln Rd	\$51,838.61

### 2020 BRIDGE WORK AND MAJOR ROAD WORK

2020 Road Paving			
Location	Cost	Widened From	Widened To
Banner School from Christy to 1147' W of SR 66	\$83,030.34	20'	24'
Blanchard btw Harris and DAPB Rd	\$324,787.41	18'	22'
Buckskin btw The Bend and Flickinger Rd	\$191,608.58	18'	22'
Evansport btw Stever & the Defiance Williams Cty Ln Rd	\$502,746.00	18'	22'
Harris btw Hoffman & the Defiance Putnam County Line Rd	\$371,523.11	20'	24'
Mud Creek btw US 127 & The Bend Rd	\$163,629.95	16'	18'
Powers btw Krouse & Canal Rd	\$133,410.47	18'	22'

2020 ACTUAL INCOME & EXPENSES

<u>2020 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	442,796	Salaries	1,215,003
Motor Vehicle License Tax	1,406,463	Benefits	579,439
Motor Vehicle Fuel Tax	3,614,207	Materials & Supplies	1,077,131
Court Fines	26,161	Equipment	152,425
Sales (Maps, Prints, etc.)	311	Contracted Repairs	81,287
Other	407,540	Office Expenses	853
Reimbursements	14,659	Other Expenses	51,861
Interest	18,634	Contracted Services	21,627
Transfers	4,999	Contracted Projects	2,442,214
State Reimbursements	5,538	Land Acquisition (right of way)	16,128
State Grant Advances	-	State Grant Advances	-
OPWC	852,698	Grants to Townships.	366,884
Federal Grants	100,000	Grant Matching Funds & FHWA	952,698
<b>Total Income</b>	<b>\$6,594,006</b>	<b>Total Expenditures</b>	<b>\$6,957,549</b>
Outstanding Encumbrances	185,920	Outstanding Encumbrances	155,016
2019 Carryover to 2020	1,863,661	2020 Carryover to 2021	1,831,021
<b>Total Disbursements</b>	<b>\$8,943,587</b>	<b>Total Disbursements</b>	<b>\$8,943,587</b>

SNOW & ICE CONTROL

Snow & Ice Control costs were typical during November 1, 2019 through March 1, 2020 season. There were many smaller events that characterized this season. Below is a comparison of the last 3 seasons.

	2016-2017	2017-2018	2019-2020
Labor	\$25,132.27	\$35,491.20	\$28,430.68
Overtime	\$20,688.97	\$36,964.79	\$24,337.53
Equipment	\$103,158.16	\$179,107.43	\$115,907.96
Material	\$65,621.39	\$81,752.88	\$105,199.39
<b>Total Seasonal Cost</b>	<b>\$214,600.79</b>	<b>\$333,316.30</b>	<b>\$273,875.56</b>

2020 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	11
Stop Ahead	5
Warning	6
Road Name	93
Other Regulatory	4
<b>Total</b>	<b>119</b>

Reason	Quantity
Accident	4
Vandalism	5
Stolen	92
Normal wear (Faded, cracked, upgrade, etc.)	18
<b>Total</b>	<b>119</b>

2020 ROAD RESURFACING PROGRAM  
RESURFACING:

County:			
Banner School	0.80 miles	Mud Creek	1.95 miles
Blanchard	3.4 miles	Powers	1.30 miles
Buckskin	2.00 miles	Trinity	5.25 miles
Evansport	5.50 miles		
Harris	2.00 miles		
25,064 tons of asphalt applied			
Townships:			
7 Township	6.80 miles		
9,258 tons of asphalt applied			
<b>Total Cost:</b>		<b>\$2,973,944.09</b>	

2020 PATCHING & REPAIR

2,240 tons of asphalt were used this year to patch and repair county roadways at a cost of \$261,137.75.

1,675 tons of asphalt were used to patch and repair township roadways in the following townships: Adams, Defiance, Farmer, Hicksville, Highland, Mark, Milford, Richland and Washington. The cost to the townships was \$195,123.50.

2020 CRACK SEALING

64,625 pounds of crack sealing material were applied to 16 miles of county roadways at a cost of \$78,777.88.

10 miles of township roadways were sealed using 38,519 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was \$46,954.66.

2020 CHIP SEALING

3,933 tons of stone and 117,100 gallons of liquid asphalt were applied to 46.03 miles of county roadways during this year's chip sealing program. This year's cost was \$358,202.42.

47.96 miles of township roads were chip sealed using 6,278 tons of stone and 177,889 gallons of liquid asphalt at a cost of \$497,885.30. All the townships participated this year except two.

2020 PAVEMENT MARKING PROGRAM

4,887 gallons of paint were applied to county and township roads during the 2020 Pavement Marking Program at a total cost of \$237,728.71. A Federal Pavement Marking was also done this year. The markings included:

Type	County	Township
Centerline	77.31 Mi.	18.10 Mi.
Edge Line	153.23 Mi.	13.18 Mi.
Stop Lines	282	6
Railroad	4	4
School Zones	2	0

2020 PERMITS

Driveway	20
Utility Occupancy	38
Excavation	0
Ditch Enclosure	0
Storm water/Sanitary Discharge	0
Special Hauling	6
R/W Occupancy	0
<b>TOTAL</b>	<b>64</b>

2020 Vegetation Control

The east half of the county was sprayed for vegetation control in 2020.

31,300 gallons were applied at a cost of \$22,035.20.

Noble and Tiffin township participated this year.

2020 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

6 Permanent parcels totaling 3.064 acres

Total cost: \$16,128.00