



Defiance County Engineer Annual Report 2016

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



INSIDE THIS ISSUE:

2016 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 2016.

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 several roads through out the County. Some of these roads include: Cicero Rd between SR 249 and the Defiance Williams County Line Rd, Cicero Rd between SR 2 and SR 249, Evansport Rd between SR 15 and Schick, Highland Center Rd between Blanchard and Sutphen Rd, Banner School between US 24 and Independence Rd and Flory Rd between US 24 and Independence Rd. The total project cost was \$1,070,341.62 and was funded by OPWC at 50%.

There were several roads that were widened this year. Evansport Rd between SR 15 and Schick Rd, Openlander between SR 249 and McCavit Rd, Highland Center Rd for 1.5 miles, Flory Rd between US 24 and the Defiance Henry County Line Rd, Hicksville Edgerton Rd South of Buckskin Rd and Casebeer Miller Rd between SR 2 and Jericho Rd. All of these were done by a combination of Ward Construction, Vernon Nagel Inc., and our Defiance County 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 \$534,839.77 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

2016 BRIDGE WORK AND MAJOR ROAD WORK

2016 Road Paving	
Location	Cost
Cicero Rd btw SR 2 to Defiance Williams Cty Ln Rd	\$604,104.10
Banner School btw Evansport and Stever Rd	\$92,014.14
Evansport Rd btw SR 15 and Schick Rd	\$119,717.98
Highland Center Rd btw Blanchard Rd & Sutphen Rd	\$178,893.85
Flory Rd btw US 24 & Independence Rd	\$75,611.55

2016 Bridge Replacement	
Location	Cost
Conkle S of Graber Rd	\$39,643.37
Lake N of SR 249	\$20,600.00
Hicksville Edgerton S of Buckskin	\$89,301.67

2016 ACTUAL INCOME & EXPENSES

<u>2016 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	453,038	Salaries	1,116,630
Motor Vehicle License Tax	1,521,152	Benefits	510,293
Motor Vehicle Fuel Tax	2,338,616	Materials & Supplies	967,028
Court Fines	20,488	Equipment	84,918
Sales (Maps, Prints, etc.)	71	Contracted Repairs	71,117
Other	160,411	Office Expenses	3,562
Reimbursements	19,708	Other Expenses	39,230
Interest	2,760	Contracted Services	10,695
Transfers	4,999	Contracted Projects	1,083,352
State Reimbursements	3,424	Land Acquisition (right of way)	13,035
Note Proceeds	-	Note Payments	-
OPWC	534,840	Grants to Townships.	133,176
Federal Grants	-	Grant Matching Funds & FHWA	534,840
Total Income	\$5,059,508	Total Expenditures	\$4,567,875
Outstanding Encumbrances	52,652	Outstanding Encumbrances	24,891
2015 Carryover to 2016	1,222,345	2016 Carryover to 2017	1,741,738
Total Disbursements	\$6,334,505	Total Disbursements	\$6,334,505

SNOW & ICE CONTROL

Snow & Ice Control costs were some what lower during November 1, 2015 through March 1, 2016 season.

Below is a comparison of the last 3 seasons.

	2013-2014	2014-2015	2015-2016
Labor	\$84,556.27	\$55,220.98	\$20,985.27
Overtime	\$71,865.84	\$36,024.09	\$14,277.66
Equipment	\$248,114.73	\$163,329.99	\$72,378.65
Material	\$29,361.82	\$40,385.27	\$21,980.11
Total Seasonal Cost	\$433,898.66	\$294,960.41	\$129,621.68

2016 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	4
Stop Ahead	2
Warning	4
Road Name	15
Other Regulatory	3
Total	28

Reason	Quantity
Accident	5
Vandalism	0
Stolen	17
Normal wear (Faded, cracked, upgrade, etc.)	6
Total	28

2016 ROAD RESURFACING PROGRAM

RESURFACING:

County:

Cicero Rd 7.01 miles
 Evansport Rd 1.1 miles
 Highland Center Rd 1.5 miles
 Banner School Rd 1 mile
 Flory Rd 0.99 miles
 16,054.22 tons of asphalt applied

Townships

4 Township 3.82 miles
 2,829.73 tons of asphalt applied

Total Cost: \$1,284,947.43

2016 PATCHING & REPAIR

2,109 tons of asphalt were used this year to patch and repair county roadways at a cost of **\$253,139.56**.

1,673 tons of asphalt were used to patch and repair township roadways in the following townships: Adams, Defiance, Highland, Mark, Milford, Noble, Tiffin and Washington. The cost to the townships was **\$420,581.23**.

2016 CRACK SEALING

99,411 pounds of crack sealing material were applied to 65.6 miles of county roadways at a cost of **\$105,862.22**.

6.9 miles of township roadways were sealed using 140,379 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was **\$36,623.10**.

2016 CHIP SEALING

2,856.95 tons of stone and 76,110.88 gallons of liquid asphalt were applied to 20.78 miles of county roadways during this year's chip sealing program. This year's cost was **\$198,216.08**.

59.08 miles of township roads were chip sealed using 7,426 tons of stone and 206,199 gallons of liquid asphalt at a cost of **\$509,966.28**. All the townships participated this year except one.

2016 PAVEMENT MARKING PROGRAM

1,687 gallons of paint were applied to county and township roads during the 2016 Pavement Marking Program at a total cost of **\$62,082.29**. The markings included:

Type	County	Township
Centerline	30.13 Mi.	10.93 Mi.
Edge Line	51.66 Mi.	6.45 Mi.
Stop Lines	26	3
Railroad	0	0
School Zones	2	0

2016 PERMITS

Driveway 49
 Utility Occupancy 60
 Excavation 0
 Ditch Enclosure 3
 Storm water/Sanitary Discharge 0
 Special Hauling 17
 R/W Occupancy 2
TOTAL 131

2016 Vegetation Control

The west half of the county was sprayed for vegetation control in 2016.

43,500 gallons were applied at a cost of **\$30,625**.

Highland, Noble and Tiffin township participated this year.

2016 Right of Way Acquisition

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

1 Temporary easements totaling 0.177 acres

10 Permanent parcels totaling 8.103 acres

Total cost: **\$52,780.61**

WARREN J. SCHLATTER, P.E., P.S.
Defiance County Engineer
510 Court street, Ste. 201
Defiance, OH 43512

Phone: 419-782-4751
Fax: 419-782-3031
Email: dce@defiance-county.com

We're on the web!

www.defiance-county.com/engineer/engineer.html



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
2003	21.0%	13.8%	65.2%	2010	7.4%	7.0%	85.6%
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%