

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
2001	27.1%	16.2%	57.7%	2008	8.8%	8.3%	82.9%
2002	23.7%	14.3%	62.0%	2009	7.4%	8.3%	84.3%
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%



Defiance County Engineer Annual Report 2014

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



INSIDE THIS ISSUE:

2014 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 2014.

Our Highway Garage Staff replaced six county bridges and also did much of the support work for the roadside grading and widening work. There were a total of 18 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 our Highway Staff has taken over the task of Dura Patch. Dura Patch is a cost efficient method of road repair. The Dura Patcher cleans the area, applies a tack coat, sprays the aggregate mix into the pothole, surface defect or depression with enough force to compact the material as it is applied and then follows with dry aggregate to prevent lifting from tires. We purchased a used unit and have been happy with the results.

This year we widened a section on Banner School Rd between Carpenter Rd and SR 66 and from Independence Rd East one mile. The Bend Rd was also widened between SR 15 and Blosser Rd. Hire Rd between SR 281 and Standley Rd. These roads were widened by R.G. Zachrich Construction and paved by Gerken Paving.

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 \$734,648.75 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

2014 BRIDGE WORK AND MAJOR ROAD WORK

2014 Road Reconstruction	
Location	Cost
Banner School Rd btw Carpenter Rd & SR 66 and from	\$515,607.56
Hire Rd btw SR 281 and Standley Rd	\$237,912.18
The Bend Rd btw SR 15 and Blosser Rd	\$548,653.24

2014 Bridge Replacement	
Location	Cost
Freytag N. of Youngman	\$39,421.59
Mud Creek E. of Coy	\$36,434.13
Mansfield E. of Defiance Paulding Cty Ln	\$19,547.97
The Bend N. of Motter	\$28,297.00
Beerbower E of Trinity	\$31,960.77
Behrens W. of Defiance Henry Cty Ln	\$31,539.63

2014 ACTUAL INCOME & EXPENSES

<u>2014 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	437,670	Salaries	1,277,344
Motor Vehicle License Tax	1,496,443	Benefits	510,724
Motor Vehicle Fuel Tax	2,334,894	Materials & Supplies	1,092,525
Court Fines	21,787	Equipment	308,082
Sales (Maps, Prints, etc.)	472	Contracted Repairs	66,602
Other	118,012	Office Expenses	3,598
Reimbursements	10,811	Other Expenses	36,370
Interest	406	Contracted Services	7,163
Transfers	4,999	Contracted Projects	1,147,939
State Reimbursements	2,661	Land Acquisition (right of way)	56,796
Note Proceeds	-	Note Payments	-
OPWC	722,176	Grants to Townships.	111,138
Federal Grants	12,473	Grant Matching Funds & FHWA	734,649
Total Income	\$5,162,803	Total Expenditures	\$5,352,929
Outstanding Encumbrances	164,825	Outstanding Encumbrances	59,431
2013 Carryover to 2014	986,559	2014 Carryover to 2015	901,827
Total Disbursements	\$6,314,188	Total Disbursements	\$6,314,188

SNOW & ICE CONTROL

Snow & Ice Control costs were significantly higher during November 1, 2013 through March 1, 2014 season.

Below is a comparison of the last 3 seasons.

	2011-12	2012-13	2013-2014
Labor	\$12,586.58	\$28,293.65	\$84,556.27
Overtime	\$11,233.50	\$12,873.17	\$71,865.84
Equipment	\$44,667.04	\$81,681.91	\$248,114.73
Material	\$16,135.38	\$32,688.45	\$29,361.82
Total Seasonal Cost	\$84,622.50	\$155,537.18	\$433,898.66

2014 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	111
Stop Ahead	172
Warning	323
Road Name	17
Other Regulatory	217
Total	840

Reason	Quantity
Accident	4
Vandalism	0
Stolen	16
Normal wear (Faded, cracked, upgrade, etc.)	820
Total	840

2014 ROAD RESURFACING PROGRAM

RESURFACING:

County:

Banner School Rd	1.98 mile
Hire Rd	1 mile
The Bend Rd	1.77 mile
Spencerville Hicksville Rd	0.078 mile
5,549.49 tons of asphalt applied	

Townships

2 Townships	2.038miles
1,842.98 tons of asphalt applied	

Total Cost: \$1,153,944.40

2014 PATCHING & REPAIR

254.23 tons of asphalt were used this year to patch and repair county roadways at a cost of \$31,198.33.

1,611.45 tons of asphalt were used to patch and repair township roadways in the following townships: Adams, Defiance, Hicksville, Highland, Mark, Milford, Noble, Tiffin, Richland, and Washington. The cost to the townships was \$197,862.45.

2014 CRACK SEALING

53,878 pounds of crack sealing material were applied to 20.39 miles of county roadways at a cost of \$52,746.56.

26.99 miles of township roadways were sealed using 57,689 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was \$56,477.53.

2014 CHIP SEALING

5,509 tons of stone and 148,600 gallons of liquid asphalt were applied to 46.51 miles of county roadways during this year's chip sealing program. This year's cost was \$451,330.28.

55.69 miles of township roads were chip sealed using 6,990 tons of stone and 186,605 gallons of liquid asphalt at a cost of \$529,413.38. All the townships participated this year except one.

2014 PAVEMENT MARKING PROGRAM

2,544 gallons of paint were applied to county and township roads during the 2014 Pavement Marking Program at a total cost of \$107,783.63. The markings included:

Type	County	Township
Centerline	53.93 Mi.	24.45 Mi.
Edge Line	92.08 Mi.	0 Mi.
Stop Lines	34	10
Railroad Crossings	4	9
School Zones	3	0

2014 PERMITS

Driveway	37
Utility Occupancy	17
Excavation	0
Ditch Enclosure	3
Storm water/Sanitary Discharge	0
Special Hauling	8
R/W Occupancy	4
TOTAL	69

2014 Vegetation Control

The east half of the county was sprayed for vegetation control in 2014.

44,050 gallons were applied at a cost of \$31,011.20.

Highland, Noble and Tiffin township participated this year.

2014 Right of Way Acquisition

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

0 Temporary easements
39 Permanent parcels totaling 9.495 acres
Total cost: \$56,796.00