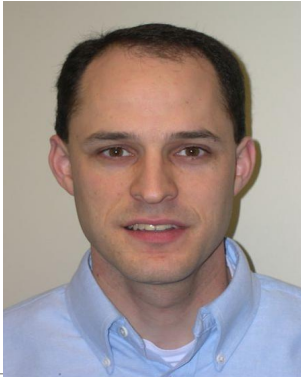




# Defiance County Engineer Annual Report 2011



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

DEFIANCE—It is my privilege to present the Annual Report for the Office of the Defiance County Engineer for the year 2011.

Our Highway Garage Staff replaced four county bridges and did much of the support work for the roadside grading and widening work. There were a total of 22 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 Banner School Rd between Domersville Rd and Adams Ridge Rd, Watson Rd between Harding Rd and Karnes Rd. Christy Rd at SR 15 was widened as well, our crew worked on the drainage and curbing and the paving was done by Gerken Paving, Inc.

This year we hit 60 miles of roadside re-grading since the beginning of 2004. Our crew completed ~ 0.5 mile. Todd Excavating completed ~3.3 miles. Webb Construction completed ~8.5 miles. The contractors work combined for a total of \$96,540.00. Our crew seeded and mulched the majority to complete the work.

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 \$1,036,147.27 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**

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## 2011 BRIDGE WORK AND MAJOR ROAD WORK

2011 Road Reconstruction	
Location	Cost
Christy rd btw. SR 15/18 and Elliott Rd	\$210,473.56
Banner School Rd btw. Domersville Rd & Adams Ridge Rd	\$347,153.32
Watson Rd btw. Harding Rd and Karnes Rd	\$301,046.36
Canal rd btw. Kiser & Powers rd	\$814,244.64

2011 Bridge Replacement	
Location	Cost
Behnfeldt N. of Buckskin Rd	\$193,683.96
Flory E. of Christy Rd	\$45,537.08
Rosedale N. of Arrowsmith	\$86,542.10



2011 ACTUAL INCOME & EXPENSES

<u>2011 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	423,091	Salaries	1,155,428
Motor Vehicle License Tax	1,338,228	Benefits	489,524
Motor Vehicle Fuel Tax	2,310,207	Materials & Supplies	922,408
Court Fines	15,894	Equipment	227,050
Sales (Maps, Prints, etc.)	447	Contracted Repairs	63,676
Other	186,927	Office Expenses	4,370
Reimbursements	10,457	Other Expenses	33,483
Interest	6,511	Contracted Services	9,014
Transfers	9,999	Contracted Projects	1,321,193
State Reimbursements	2,659	Land Acquisition (right of way)	106,928
Note Proceeds	-	Note Payments	-
OPWC	1,036,147	Grants to Townships.	31,044
Federal Grants	-	Grant Matching Funds & FHWA	1,036,147
<b>Total Income</b>	<b>\$5,340,567</b>	<b>Total Expenditures</b>	<b>\$5,400,265</b>
Outstanding Encumbrances	71,040	Outstanding Encumbrances	33,946
2009 Carryover to 2010	1,108,299	2010 Carryover to 2011	1,085,695
<b>Total Disbursements</b>	<b>\$6,519,906</b>	<b>Total Disbursements</b>	<b>\$6,519,906</b>

SNOW & ICE CONTROL

Snow & Ice Control costs were significantly higher during the November 1, 2010 through March 1, 2011 season.

Below is a comparison of the last 3 seasons.

	2008-09	2010-11	2011-12
Labor	\$67,026.57	\$63,175.36	\$65,675.58
Overtime	\$34,729.86	\$27,030.13	\$37,117.60
Equipment	\$135,309.73	\$164,023.45	\$169,421.13
Material	\$39,499.35	\$49,437.30	\$59,277.42
<b>Total Seasonal Cost</b>	<b>\$276,565.51</b>	<b>\$303,666.24</b>	<b>\$331,491.73</b>

2011 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	17
Stop Ahead	5
Warning	18
Road Name	36
Other Regulatory	22
<b>Total</b>	<b>98</b>

Reason	Quantity
Accident	6
Vandalism	8
Stolen	43
Normal wear (Faded, cracked, upgrade, etc.)	41
<b>Total</b>	<b>98</b>

## 2011 ROAD RESURFACING PROGRAM

### RESURFACING:

#### County:

Watson Rd 1 mile  
 Banner School Rd 1.36 miles  
 Christy Rd .430 miles  
 4041.33 tons of asphalt applied

#### Townships

5 Townships 9.253miles  
 3,556.09 tons of asphalt applied

*Total Cost: \$1,030,651.06*

## 2011 PATCHING & REPAIR

1,334.62 tons of asphalt were used this year to patch and repair county roadways at a cost of \$133,330.24.

1,689.87 tons of asphalt were used to patch and repair township roadways in the following townships: Defiance, Farmer, Hicksville, Highland, Mark, Milford, Noble, Tiffin, Richland, and Washington. The cost to the townships was \$173,856.74.

## 2011 CRACK SEALING

33,219 pounds of crack sealing material were applied to 13.92 miles of county roadways at a cost of \$29,057.65.

30.13 miles of township roadways were sealed using 42,486 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was \$45,138.38.

## 2011 CHIP SEALING

3,837.37 tons of stone and 113,677 gallons of liquid asphalt were applied to 32.99 miles of county roadways during this year's chip sealing program. This year's cost was \$316,893.46.

55.65 miles of township roads were chip sealed using 6,410.01 tons of stone and 182,291 gallons of liquid asphalt at a cost of \$487,000.16. All the townships participated this year.

## 2011 PAVEMENT MARKING PROGRAM

547 gallons of paint were applied to county and township roads during the 2011 Pavement Marking Program at a total cost of \$56,961.46. The markings included:

Type	County	Township
Centerline	36.48 Mi.	14.77 Mi.
Edge Line	68.15 Mi.	3.37 Mi.
Stop Lines	36	0
Railroad Crossings	0	1
School Zones	3	0

## 2011 PERMITS

Driveway 43  
 Utility Occupancy 14  
 Excavation 0  
 Ditch Enclosure 4  
 Storm water/Sanitary Discharge 0  
 Special Hauling 11  
 R/W Occupancy 10  
 TOTAL 82

## 2011 Vegetation Control

The west half of the county was sprayed for vegetation control in 2011.

39,000 gallons were applied at a cost of \$24,960.00.

Hicksville and Tiffin township participated this year.

## 2011 Right of Way Acquisition

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

7 Temporary easements totaling 0.366 acres

62 Permanent parcels totaling 22.653 acres

Total cost: \$127,282.23.

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We're on the web!

[www.defiance-county.com/engineer/engineer.html](http://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
1998	32.0%	13.2%	54.8%	2005	16.3%	12.8%	68.0%
1999	27.3%	13.3%	59.4%	2006	14.7%	8.6%	76.7%
2000	27.7%	13.9%	58.4%	2007	11.3%	9.1%	79.6%
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%

