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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
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%
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%



Defiance County Engineer Annual Report 2013

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 2013.

Our Highway Garage Staff replaced two county bridges and did much of the support work for the roadside grading and widening work. There were a total of 6 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.).

A significant amount of crew time was also spent on the offsite stream mitigation work for the Ayersville project.

This year we widened two sections on Banner School Rd, the first being between Carpenter Rd and Domersville Rd, the second between Adams Ridge Rd and Independence Rd. Flory Rd was also widened between Stever Rd and Christy Rd and Watson Rd between SR 15 and Fullmer Rd. These roads were widened by Gerken Paving.

The Defiance Ayersville Pleasant Bend Road project was completed by Helms & Sons Excavating. The project began in April and was finished in October. The ditch was moved back to help widen the road from 20' width to 24' width and the intersection at Fullmer Rd was widened and repositioned. The cost for the project

was \$2,928,092.79.

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 \$2,794,093 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

2013 BRIDGE WORK AND MAJOR ROAD WORK

2013 Road Reconstruction	
Location	Cost
Defiance Ayersville Pleasant Bend Rd btw. Edgewood Rd & North Rd	\$2,928,092.79
Banner School Rd btw Carpenter Rd & Domersville Rd	\$237,702.65
Watson Rd btw SR 15 & Fullmer Rd	\$413,466.23
Banner School Rd btw Adams Ridge Rd & Independence Rd	\$160,504.85

2013 Bridge Replacement	
Location	Cost
Hill Rd S. of Mansfield Rd	\$64,894.09
Weber Rd N. of Graber Road	\$81,571.79

2013 ACTUAL INCOME & EXPENSES

<u>2013 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	429,555	Salaries	1,164,203
Motor Vehicle License Tax	1,402,409	Benefits	504,592
Motor Vehicle Fuel Tax	2,299,886	Materials & Supplies	936,417
Court Fines	18,294	Equipment	358,513
Sales (Maps, Prints, etc.)	107	Contracted Repairs	51,248
Other	73,389	Office Expenses	3,340
Reimbursements	11,557	Other Expenses	33,836
Interest	848	Contracted Services	22,816
Transfers	4,999	Contracted Projects	1,430,114
State Reimbursements	42,715	Land Acquisition (right of way)	71,902
Note Proceeds	-	Note Payments	-
OPWC	451,619	Grants to Townships.	65,557
Federal Grants	2,342,474	Grant Matching Funds & FHWA	2,794,093
Total Income	\$7,077,851	Total Expenditures	\$7,436,631
Outstanding Encumbrances	723,384	Outstanding Encumbrances	169,825
2009 Carryover to 2010	791,780	2010 Carryover to 2011	986,559
Total Disbursements	\$8,593,015	Total Disbursements	\$8,593,015

SNOW & ICE CONTROL

Snow & Ice Control costs were lowest in memory during the November 1, 2012 through March 1, 2013 season.

Below is a comparison of the last 3 seasons.

	2011-12	2012-13	TO DATE
Labor	\$65,675.58	\$12,586.58	\$28,293.65
Overtime	\$37,117.60	\$11,233.50	\$12,873.17
Equipment	\$169,421.13	\$44,667.04	\$81,681.91
Material	\$59,277.42	\$16,135.38	\$32,688.45
Total Seasonal Cost	\$331,491.73	\$84,622.50	\$155,537.18

2013 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	13
Stop Ahead	3
Warning	12
Road Name	21
Other Regulatory	7
Total	56

Reason	Quantity
Accident	5
Vandalism	7
Stolen	23
Normal wear (Faded, cracked, upgrade, etc.)	21
Total	56

2013 ROAD RESURFACING PROGRAM

RESURFACING:

County:

Banner School Rd	1.562 mile
Watson Rd	1.42 mile
3,215.5 tons of asphalt applied	

Townships

4 Townships	4.184 miles
1,823.3 tons of asphalt applied	

Total Cost: \$771,841.17

2013 PATCHING & REPAIR

774.04 tons of asphalt were used this year to patch and repair county roadways at a cost of \$88,809.56.

1,275.96 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 \$146,759.56.

2013 CRACK SEALING

36,066 pounds of crack sealing material were applied to 16.60 miles of county roadways at a cost of \$34,948.05.

16.77 miles of township roadways were sealed using 60,058 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was \$58,196.91.

2013 CHIP SEALING

4,987.5 tons of stone and 133,229 gallons of liquid asphalt were applied to 39.5 miles of county roadways during this year's chip sealing program. This year's cost was \$412,001.94.

60.78 miles of township roads were chip sealed using 8,176.10 tons of stone and 205,727 gallons of liquid asphalt at a cost of \$594,544.51. All the townships participated this year.

2013 PAVEMENT MARKING PROGRAM

2,639 gallons of paint were applied to county and township roads during the 2013 Pavement Marking Program at a total cost of \$107,054.87. The markings included:

Type	County	Township
Centerline	47.9 Mi.	9.77 Mi.
Edge Line	85.76 Mi.	5.18 Mi.
Stop Lines	40	0
Railroad	2	6
School Zones	1	0

2013 PERMITS

Driveway	13
Utility Occupancy	9
Excavation	0
Ditch Enclosure	3
Storm water/Sanitary Discharge	0
Special Hauling	7
R/W Occupancy	2
TOTAL	34

2013 Vegetation Control

The west half of the county was sprayed for vegetation control in 2013. 32,450 gallons were applied at a cost of \$22,844.80. Hicksville and Noble township participated this year.

2013 Right of Way Acquisition

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

- 0 Temporary easements
 - 35 Permanent parcels totaling 12.868 acres
- Total cost: \$64,260.00