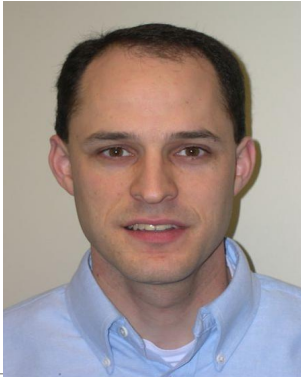




Defiance County Engineer Annual Report 2010



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

DEFIANCE—2010 was a very productive year for the Highway Garage staff, our office staff, and the contractors that were awarded this year's bids.

for a total of \$106,015.00. Our crew seeded and mulched the majority to complete the work.

Our Highway Garage Staff replaced three county bridges and have re-graded one road (The Bend Rd) this year. There was a total of 20 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.).

Our office staff is constantly working behind the scenes to make sure everything runs smoothly during the construction season. They help with the designing, engineering and overseeing of all aspects of the construction projects. With their diligence, we were able to obtain \$285,001.75 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

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This year we hosted a training session for the Federal Highway Administration officials on GRS (Geosynthetically Reinforced Soil) Bridges. Our Highway Garage Staff and the FHWA employees worked on three bridges teaching how they build bridge abutments with geosynthetically reinforced soil. It was a cost effective way for them to learn and the county got three new bridges.

2010 was our most productive year on record for roadside regrading. Our crew completed ~3.6 mile. Todd Excavating completed ~3.9 miles. Webb Construction completed ~7.9 miles. The contractors work combined

2010 BRIDGE WORK AND MAJOR ROAD WORK

2010 Road Reconstruction	
Location	Cost
Blosser btw. Flickenger & SR 15	\$51,106.27
Krouse S. of Hammersmith	\$22,406.90

2010 Bridge Replacement	
Location	Cost
Behnfeldt N. of Beerbower	\$84,394.57
Mulligans Bluff N. of Blosser	\$64,852.08
Openlander N. of SR 18	\$69,830.04
Stever S. of Whisler	\$70,511.80
Independence S. of Banner School	\$50,560.45



2010 ACTUAL INCOME & EXPENSES

<u>2010 Revenue</u>		<u>Disbursements</u>	
Permissive Tax	426,220	Salaries	1,153,825
Motor Vehicle License Tax	1,293,810	Benefits	494,570
Motor Vehicle Fuel Tax	2,336,745	Materials & Supplies	861,456
Court Fines	15,821	Equipment	217,762
Sales (Maps, Prints, etc.)	390	Contracted Repairs	60,119
Other	22,713	Office Expenses	5,159
Reimbursements	69,611	Other Expenses	26,972
Interest	4,453	Contracted Services	24,099
Transfers	9,999	Contracted Projects	675,298
State Reimbursements	3,055	Land Acquisition (right of way)	123,592
Note Proceeds	-	Note Payments	-
OPWC	70,957	SCIP/LTIP Grant to Townships.	68,710
Federal Grants	214,045	Grant Matching Funds & FHWA	285,002
Total Income	\$4,497,818	Total Expenditures	\$3,996,564
Outstanding Encumbrances	63,849	Outstanding Encumbrances	71,040
2009 Carryover to 2010	614,237	2010 Carryover to 2011	1,108,299
Total Disbursements	\$5,175,904	Total Disbursements	\$5,175,904

SNOW & ICE CONTROL

Snow & Ice Control costs were significantly higher during the November 1, 2009 through March 1, 2010 season.

Below is a comparison of the last 3 seasons.

	2007-08	2008-09	2010-11
Labor	\$53,082.94	\$67,026.57	\$63,175.36
Overtime	\$40,058.65	\$34,729.86	\$27,030.13
Equipment	\$121,931	\$135,309.73	\$164,023.45
Material	\$60,231.91	\$39,499.35	\$49,437.30
Total Seasonal Cost	\$275,305	\$276,565.51	\$303,666.24

2010 SIGN REPLACEMENTS

Type of Sign	Quantity
Stop Sign	26
Stop Ahead	3
Warning	44
Road Name	116
Other Regulatory	52
Total	241

Reason	Quantity
Accident	8
Vandalism	5
Stolen	58
Normal wear (Faded, cracked, upgrade, etc.)	141
Total	212

2010 ROAD RESURFACING PROGRAM

LOCAL FUND RESURFACING:

County:

Airport Road 0.27 miles
 Defiance Henry County Line Road 0.90 miles
 996.49 tons of asphalt applied

Townships

6 Townships 3.99 miles
 1949.33 tons of asphalt applied

Total Cost: \$421,453.58

2010 PATCHING & REPAIR

1928.46 tons of asphalt were used this year to patch and repair county roadways at a cost of \$178,499.66.

2285.05 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 \$222,428.80.

2010 CRACK SEALING

37,303 pounds of crack sealing material were applied to 15.92 miles of county roadways at a cost of \$42,796.88.

26.35 miles of township roadways were sealed using 47,987 pounds of crack sealing material under the supervision of the County Engineer's Office. The cost for township crack sealing was \$63,128.03.

2010 CHIP SEALING

2,872.53 tons of stone and 87,227 gallons of liquid asphalt were applied to 23.44 miles of county roadways during this year's chip sealing program. This year's cost was \$240,347.29.

44.72 miles of township roads were chip sealed using 5,248.24 tons of stone and 150,390.00 gallons of liquid asphalt at a cost of \$402,292.22. There were eleven townships that participated this year.

2010 PAVEMENT MARKING PROGRAM

4,581 gallons of paint were applied to county and township roads during the 2010 Pavement Marking Program at a total cost of \$165,995.91. The markings included:

Type	County	Township
Centerline	108.54 Mi.	13.42 Mi.
Edge Line	192.01 Mi.	4.74 Mi.
Stop Lines	89	4
Railroad Crossings	7	2
School Zones	5	0

2010 PERMITS

Driveway 43
 Utility Occupancy 16
 Excavation 0
 Ditch Enclosure 3
 Storm water/Sanitary Discharge 0
 Special Hauling 7
 R/W Occupancy 5
 TOTAL 74

2010 Vegetation Control

The east half of the county was sprayed for vegetation control in 2010.

31,000 gallons were applied at a cost of \$19,840.00.

Hicksville township participated this year.

2010 Right of Way Acquisition

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

12 Temporary easements totaling 0.59 acres

68 Permanent parcels totaling 23.615 acres

Total cost: \$110,842.00.

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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
1997	38.6%	12.0%	49.4%	2004	18.5%	13.5%	68.0%
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%

