

**SCHEDULED IMPROVEMENTS (WITH ESTIMATED COSTS) TO DARKE COUNTY ROADS AND BRIDGES FOR 2014**

By: James P. Surber P.E.,P.S., Darke County Engineer

**In addition to normal road and bridge maintenance, an estimated \$3,136,508 worth of improvements to Darke County roads and bridges is scheduled for 2014 that will be 98 percent locally funded. Local funds are gas tax and license fees returned monthly to the County by the State of Ohio for County Highway operations. No real estate or sales taxes are used to fund any of this work. The unusually high costs of fighting snow and ice this year require us to spend part of the cash reserves built up over many years. The integrity of the roads and bridges must still be the highest priority. The County Engineer and Highway Department responsibilities are 521 miles of County road and 531 bridges on County and Township roads, which are maintained by 30 employees. This is an average of 17 miles of road and 17 bridges per employee.**

**COUNTY ROAD SURFACING:** The following thirteen County roads and two Township Roads which total 34.30 miles are scheduled for new asphalt surfaces during May - July at an estimated contracted local cost of \$ 2,212,000.

**County Roads**

Road Name	From (Rd.)	To (Rd.)	Length (Mi.)
Cochran	Brock-Cosmos	McFeely-Petry	3.03
Delisle-Fourmans	Gordon-Landis	Gettysburg-Pitsburg	1.50
Foote	Yorkshire-Osgood	Shelby Co. Line	3.25
Gettysburg-SE	USR 36	S.R. 721	3.77
Grubbs-Rex	S.R. 503	Arcanum-Ithaca	1.59
Schnorf-Jones	S.R. 49	Delisle-Fourmans	4.52
Stuck	Greenville-St.Marys	Yorkshire-Osgood	2.58
Zumbrum	S.R. 49	Michael	2.16
Palestine-Hollansburg	Hollansburg Corp.	Richmond-Palestine	4.30
Greenville-St. Marys	Beamsville-Webster	Old S.R. 242	1.03
Greenville-Celina	Ch. Home-Bradford	USR 127	0.72
Sebring-Warner	Greenville Corp.	USR 127	0.88
Weavers-Ft. Jefferson	USR 127	Jaysville-St. Johns	1.80
Old St. Rt. 242	USR 127	Chase/Horner Roads	<u>2.16</u>
<b>Total</b>			<b>33.29 miles</b>

**Township Roads**

The following Township Road in Richland and Wayne Townships, will also be resurfaced. The funds for this and the County portion of Old St. Rt. 242 were furnished by ODOT last year after the road was changed from state responsibility to local responsibility as requested by the County Commissioners.

Old St. Rt. 242	Plessinger	S.R. 121	1.01
-----------------	------------	----------	------

**Grand Total 34.30 miles**

**PAVEMENT MARKING:** About **222 miles** of road will have new centerline and no-passing markings applied, and about **682 lane-miles (341 road miles)** will have white edge-line markings applied at a total estimated local cost of **\$234,000**. The project will be contracted and is expected to require **3455 gallons** of yellow paint and **11,194 gallons** of white paint. Centerline markings are estimated to cost **\$270 per mile** and edge-lines to cost **\$255 per lane mile**. The cost of new lines on one mile of road is now **\$780**.

**CULVERT REPLACEMENT:** An estimated **12** roadway culverts and **10** subsurface tile crossings will be replaced this year on the roads planned for resurfacing in 2015. All work will be done by County personnel and equipment, with total estimated costs including labor and equipment of **\$24,000**.

**CRACK SEALING:** An estimated **35** miles of County Road will have pavement cracks sealed with hot-applied crack sealant material by County personnel. The total estimated cost for this work is **\$110,000**, using an estimated **\$63,000** of materials, and will be performed throughout the year.

**SIGNS:** A federal grant was secured late last year to furnish **\$6,050** for new signs and posts to upgrade warning signs on six identified curves on Darke County roads. All hardware, labor and equipment will be furnished by the County with the total project estimated to cost **\$10,300**.

**TOWNSHIP ROAD RECONSTRUCTION:** A major widening and reconstruction project will begin later this year on Horatio-Harris Creek Road, a Greenville Township Road, between State Route 49 and State Route 118. The work includes major pavement and shoulder widening, culvert replacements and overall road enhancement as well as the complete replacement of the existing bridge which is the responsibility of the County. The 1.38 mile project, estimated at **\$643,000** (not included in this report), will be performed under the Greenville Township Trustees, supervised by the County Engineer, and is 76% funded by the Ohio Public Works Commission.

Total Estimated County Road Improvement Costs: **\$ 2,588,300**

Total estimated local cost: **\$2,582,250 (99.8%)**

**BRIDGE CONSTRUCTION AND REHABILITATION:**

One bridge will be totally replaced by contract, and County personnel will replace one bridge superstructure and rehabilitate seven other bridges by force account during 2014. Five of the bridges are on County Roads and four are on Township Roads.

Road	Bridge No.	Span	Width	Work	Estimated Cost
Horatio-Harris Creek	T009-0049	11'	72'	Replacement	\$ 17,784*
Arcanum-Bears Mill	C034-1027	39'	28'	Superstructure Rep.	\$ 80,302
Zumbrum	C045-0661	82'	24'	Rehabilitation	\$ 52,619
Ross	T061-0393	40'	24'	Rehabilitation	\$ 26,201
Neff	C145-0236	88'	24'	Rehabilitation	\$ 75,874
Ohio-Indiana Line	C011-0513	82'	24'	Repair/Rehab.	\$ 59,870
Wildcat	T089-0354	55'	24'	Rehabilitation	\$ 37,522
Palestine-Union City	C030-0742	97'	28'	Rehabilitation	\$ 49,898
Conover	T041-0069	136'	24'	Rehabilitation	<u>\$ 97,522</u>
<b>Total</b>					<b>\$ 497,592</b>

\*County cost shown, total bridge estimated at \$68,400

**(All Local Funding)**

(Force account bridge estimates include the cost of County labor, materials and equipment with large overhead rates on labor and materials, required by state law.)

Total Estimated County and Township Bridge Improvement Costs: **\$ 548,208**

Total estimated local cost: **\$497,592 (91%)**

In total, an estimated **\$3,136,508** of road, bridge, culvert and sign improvements will be made in 2014 to County roads and bridges and one Township Road in Darke County with an estimated local cost of **\$3,079,842 (98%)** in local-County and designated funds.

cc: media  
Darke Co. Commissioners

---

James P. Surber P.E., P.S.  
County Engineer