

## SCHEDULED IMPROVEMENTS TO DARKE COUNTY ROADS AND BRIDGES FOR 2016

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

**An estimated \$3,630,634 worth of improvements to Darke County roads and bridges is scheduled for 2016. This is \$872,685 more than was planned for 2015, and is mostly due to anticipated federal funds earmarked for guardrail, signs, and the Center Street bridge. Our local funds come strictly from gas tax and license fees returned monthly to Darke County by the State of Ohio for local highway operations. No real estate taxes, sales taxes, or County General Fund money is provided for any of this work.**

**The responsibilities of 30 employees are 521 miles of County road and 531 bridges on County and Township roads.**

**COUNTY ROAD SURFACING: Seven sections of County roads (17.91 miles) are scheduled for new asphalt (hot mix) surfaces from May – July.**

Road	From	To	Length	Last paved
Jaysville-St. Johns	Hollansburg-Arcanum	SR 49	4.23	2001
Daly	SR 502	SR 571	0.77	2002
Beanblossom	Arnold	SR 49	1.52	2003
Hillgrove-Ft. Recovery	SR 47	Ellis	4.00	2002
Brock-Cosmos	Hillgrove-Ft. Recovery	Hillgrove-Ft. Recovery	0.22	2002
Rossburg-Lightsville	SR 49	Rossburg Corp.	3.90	2003
N. Star-Ft. Loramie	SR 118	North Star Corp.	<u>3.27</u>	2003
<b>Total</b>			<b>17.91 miles</b>	

**Sixteen sections of County roads (30.90 miles) are scheduled for chip-seal surfaces during June-August. The first four projects will be cooperatively performed with the Mercer County Engineer and the remaining twelve will be performed by contract and Darke County personnel.**

Ellis	Ohio-Indiana Line	S. R. 49	5.10	2002
McFeeley-Petry	Ohio-Indiana Line	S. R. 49	4.10	2001
McFeeley-Petry	S. R. 118	Ross-Medford	1.47	2001
Ohio-Indiana Line	midpoint Sec. 5	Peters	4.84	2001
Red River-West Grove	Hogpath	Yount	2.00	2000
York	Elijah-York	USR 127	1.90	2001
Young	Hillgrove-Woodington	Beamsville-Union City	1.01	2001
Heller	S. R. 502	Wildcat	1.18	2002
Dull	S. R. 503	Arcanum-Ithaca	2.48	2002
St. Peter	S. R. 185	Kelch	1.25	2002
Worth	Pickett	Union City Corp.	1.10	2007
Grubbs-Rex	Karr	S. R. 49	1.46	2002
Houschilt	Versailles-Yorkshire	Yorkshire-Osgood	0.52	2002
Schnorf-Jones	Montgomery Co. Line	S. R. 722	1.00	2005
Stocksdale	Greenville-Nashville	S. R. 502	1.02	2008
Greenville-St. Marys	Oliver	USR 127	0.47	2010
<b>Total</b>			<b>30.90 miles</b>	

**Total estimated cost for 48.81 miles: \$1,812,234 (all local cost)**

**PAVEMENT MARKING:** About **219 miles** of road will have new centerline and no-passing markings applied, and about **302 lane-miles ( 151 road miles)** will have white edge-line markings applied at a total estimated cost of **\$ 155,500 (all locally funded)**.

**TOWNSHIP AID:** An estimated **\$25,000** worth of labor and equipment will be furnished to Township Trustees for work on their roads such as culvert and subsurface tile replacements, tree and brush removal, drainage, and road repairs.

**CRACK SEALING:** An estimated **30-35 miles** of County Road will have pavement cracks sealed with hot-applied crack sealant material by County personnel. This will require an estimated **\$70,000** of materials, and will be performed throughout the year.

**SIGNS:** A federal grant was secured late last year for **\$22,000**, and with local funds will furnish a total of **\$27,500** for new signs and posts to upgrade warning signs, road name signs, and unincorporated village signs on Darke County roads. The County will furnish **\$5,500** of the sign costs and supply all labor and equipment for the project.

**GUARDRAIL RECONSTRUCTION:** A major project will begin March 28th to replace guardrails on six County roads in five different Townships. A total of **10,800 feet** of guardrail will be removed and installed on **Greenville-St. Marys, Medford, Hollansburg-Sampson, Staudt, Hollansburg-Richmond, and County Home** Roads. The project is federally funded through an application first filed in **2011**. A contract has been awarded to PDK Construction of Pomeroy, Ohio for an estimated total project cost of **\$200,699**.  
The new guardrail will meet all current standards and replace aging, substandard railing.

Total Estimated County Road Repair and Improvement Costs: **\$2,290,933**  
Total estimated local cost: **\$2,068,933 (90%)**

## BRIDGE CONSTRUCTION AND REHABILITATION

**Six new bridges** are scheduled to be built under force account by the County bridge crews and **six additional bridges** will be rehabilitated during the year. Also, the replacement of the **Center Street Bridge** in the Village of Versailles is scheduled for contract sale on June 16th with construction anticipated during July-September. Like all other bridges, this project was designed by the County Engineer's Office. Unlike the twelve projects, **80%** of the estimated construction and inspection costs (**\$656,000**) will be paid by federal bridge replacement funds, applied for in **2011**. The local portion will be shared by the County Engineer and the Village. Of the **thirteen projects** for this year, **eight** are on County Roads, **four** are on Township Roads, and **one** is on a Versailles Village Street.

Road	Bridge No.	Span	Width	Work	Force Account Estimate	Actual Co. Cost
Jaysville-St. Johns	C036-0022	18'	28'	Replacement	\$ 78,308	\$ 28,663
Braffetsville-North	C141-0143	35'	28'	Replacement	\$ 97,804	\$ 45,283
Palestine-Union City	C030-0768	8'	44'	Replacement	\$ 30,073	\$ 20,361
Graw	T144-0246	10'	48'	Replacement	\$ 48,216	\$ 35,342
Shaffer	T159-0243	28'	24'	Replacement	\$ 89,549	\$ 35,430
Brown	T094-0594	32'	24'	Replacement	\$ 92,685	\$ 57,914
Ansonia-Elroy	T066-0284	60'	24'	Rehabilitation	\$ 70,561	\$36,234
Versailles-Southeastern	C068-0035	202'	28'	Substr. Rehab.	\$ 18,175	\$ 8,762
Schnorf-Jones	C056-0480	60'	24'	Rehabilitation	\$ 60,478	\$28,195
McFeeley-Petry	C055-0124	19'	24'	Rehabilitation	\$ 23,818	\$11,700
Gordon-Landis	C042-0618	56'	24'	Rehabilitation	\$ 46,811	\$34,255
Gettysburg-Pittsburg	C020-0373	78'	32'	Rehabilitation	\$ 27,223	\$19,921
Center St. (Versailles)	M650-1814	84'	38'	Replacement	<u>\$ 656,000</u>	<u>\$60,307</u>
<b>Total</b>					<b>\$ 1,339,701</b>	<b>\$422,367</b>

(By Ohio law, force account bridge estimates must include the cost of all County labor, fringe benefits, materials and equipment, and additional mandatory overhead rates on labor and materials. The labor and overhead rates are not included in "Actual County Cost" since one is a fixed cost and the other is fictitious. Also, the structural steel for four new bridges was purchased and paid for in 2015. These amounts are also not included.)

In total, an estimated value of **\$3,630,634** in road, bridge, and sign improvements will be made in 2016 to County roads, and to bridges on County and Township Roads in Darke County with an estimated County local expenditure of **\$ 2,491,300**.

cc: media  
Darke Co. Commissioners

---

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