

SCHEDULED IMPROVEMENTS TO DARKE COUNTY ROADS AND BRIDGES FOR 2017

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

An estimated \$3,332,754 worth of improvements to Darke County roads and bridges is scheduled for 2017. Although we will receive \$310,000 less in federal grant funds than in 2016, we plan to pave 3.5 more miles of road, build one more new bridge, replace 75 percent more signs, and paint twice the road miles compared to 2016. Non-local funds anticipated are \$400,000 in state funds (OPWC) to be used towards the resurfacing of three roads, and \$31,200 of federal funds for sign replacements.

Local funds come from gas tax and license fees returned monthly to the 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. This work listed is in addition to the year's normal road and bridge maintenance.

COUNTY ROAD SURFACING: Six different County roads (21.93 miles) are scheduled for new asphalt (hot mix) surfaces from May – August.

Road	From	To	Length (mi.)	Last paved
Hollansburg-Sampson	New Madison-Coletown	USR 127	3.82	2002
Pittsburg-Laura	Gettysburg-Pittsburg	Miami Co. Line	3.05	2002
Meeker	SR 49	Greenville Corp.	1.00	2004
Hogpath	SR 571	Miami Co. Line	3.49	2003
New Madison-Coletown	Hollansburg-Sampson	SR 502	7.01	2003
Requarth	Greenville Corp.	Arcanum-Bears Mill	<u>3.56</u>	2004
Total			21.93 miles	

Total estimated cost for 21.93 miles: \$1,812,500

Of the total, \$1,412,500 will be local funds with \$400,000 from a grant from the Ohio Public Works Commission to partially finance the last three roads.

Twelve sections of County roads (19.09 miles) are scheduled for chip-seal surfaces during June-August. The first six projects may be contracted with the remaining performed by Darke County personnel.

Brock-Cosmos	Elijah-York	USR 127	1.53	2002
Frazers	Grubbs-Rex	SR 503	0.83	2003
Althoff	Yorkshire-Osgood	Willowdell	2.06	2003
Coates	SR 705	Mercer Co. Line	0.90	2003
Hillgrove-Southern	SR 502	Wasson	3.12	2003
Hollansburg-Tampico	Hollansburg Corp.	USR 36	3.25	2002
Bechtol	McMecham	SR 49	1.54	2003
Conover	SR 705	Mercer Co. Line	1.00	2003
Day	Willowdell	Shelby Co. Line	1.26	2003
Moore	Hollansburg-Richmond	Payne	1.20	2003
Payne	Rush	Moore	0.49	2003
Pickett	Ohio-Ind. Liner	SR 571	<u>1.91</u>	2003
Total			19.09 miles	

Total estimated cost for 19.09 miles: \$326,900 (all local funds)

Total estimated cost for 41.02 miles: \$2,139,400 (with \$1,739,400 of local funds)

PAVEMENT MARKING: About **323 miles** of road (62% of all County roads) will have new centerline and no-passing markings applied, and about **616 lane-miles (308 road miles)** will have white edge-line markings applied by contract at a total estimated cost of **\$230,000 (all locally funded)**.

TOWNSHIP AID: An estimated **\$30,000** 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 **\$75,000** of materials, and will be performed throughout the year.

SIGNS: A federal grant was secured late last year for **\$31,200**, and with local funds will furnish a total of **\$39,000** for new signs and posts to upgrade warning signs, road name signs, and unincorporated village signs on Darke County roads. The County will furnish **\$7,800** of the sign costs and supply all labor and equipment for the erection of the signs.

CHASE ROAD RECONSTRUCTION: We are obligated to complete the reconstruction of the 1.0 mile Chase Road (as directed by the County Commissioners in the enactment of the future \$10 additional license fee), before the end of 2018. Located in Richland and Wayne Townships, the project will greatly widen the pavement and shoulders, reconstruct drainage, and relocate 500 feet of road. All additional required right-of-way has now been acquired. Work planned for 2017 includes completion of utility relocations, removal of trees and obstacles from the right-of-way, culvert and drainage reconstruction, and widening of road shoulders. The major project costs of pavement widening, relocation and resurfacing are planned for 2018. The estimated value of work to be performed in 2017 is **\$90,949** with estimated materials to be purchased at **\$8,810**, and the difference being County labor and equipment to be furnished.

Total Estimated County Road Repair and Improvement Costs:	\$2,604,349
Total estimated local cost:	\$2,091,010

BRIDGE CONSTRUCTION AND REHABILITATION

Six new bridges are scheduled to be built under force account by the County bridge crews and five to seven additional bridges will be rehabilitated during the year. Of the thirteen projects for this year, four are on County Roads and nine are on Township Roads.

Road	Bridge No.	Span	Width	Work	Force Account Estimate	Actual Co. Cost
Conover	T041-0171	20'	24'	Replacement	\$ 68,168	\$ 36,681
Clapp	T272-0035	39'	24'	Replacement	\$ 95,584	\$ 58,767
Mendenhall	T178-0043	34'	24'	Replacement	\$ 97,484	\$ 54,120
Hillgrove-Woodington	T037-0127	11'	32'	Replacement	\$ 83,280	\$ 50,193
New Harrison-Bradford	T069-0204	14'	60'	Replacement	\$ 86,002	\$ 62,314
Spidel	T165-0091	25'	28'	Replacement	\$ 81,051	\$ 43,392
Gettysburg-Southeastern	C127-0039	36'	28'	Rehabilitation	\$ 35,674	\$ 18,038
Wagner	T064-0230	68'	24'	Rehabilitation	\$ 47,547	\$ 26,017
Grise	T171-0082	33'	24'	Rehabilitation	\$ 28,810	\$ 13,492
Pitsenbarger	T175-0093	91'	24'	Rehabilitation	\$ 57,639	\$ 26,364
Coletown-Lightsville	C044-0667	53'	24'	Rehabilitation	\$ 47,166	\$ 22,856
Rosburg-Lightsville*	C050-0611	68'	24'	Rehabilitation		
Young*	C065-0380	69'	28'	Rehabilitation		

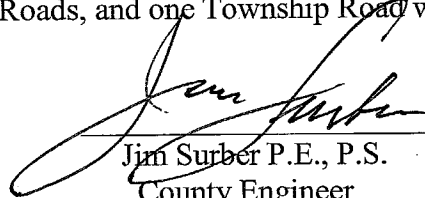
- Project planning not complete as of this report

Total \$ 728,405 \$412,234

(By Ohio law, force account bridge estimates must include the cost of all County labor, fringe benefits, materials and equipment, plus additional mandatory overhead rates on labor of 38%, and on materials of 15%. The labor estimates and overhead amounts are not included in "Actual County Cost," which represents the costs of materials and equipment only.

In total, an estimated value of **\$3,332,754** in road, bridge, and sign improvements will be made in 2017 to County roads, bridges on County and Township Roads, and one Township Road with an estimated County local expenditure of **\$ 2,503,244**.

cc: media
Darke Co. Commissioners



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 County Engineer