



HOCKING COUNTY ENGINEER'S

2016 ANNUAL REPORT



WILLIAM R. SHAW, P.E., P.S.
HOCKING COUNTY ENGINEER

TO THE CITIZENS OF HOCKING COUNTY:

This annual report is again prepared to report to the Hocking County Commissioners the status of our local roads and bridges as required by the Ohio Revised Code, and to keep the public informed on how we use your limited tax dollars on road and bridge construction and maintenance.

Unfortunately, our stagnant and/or declining revenues continue to limit the work we can do. 2016 revenues were 4% less than those received in 2015 and were only 0.4% greater than revenues received eleven years earlier in 2005. Meanwhile, the costs to build and maintain our roadways increased over 75% during that time period.

Despite declining revenues, we were still able to pave 13.59 miles, but only with the help of grants and loans, while also replacing four bridges, two with County produced bridge beams and two with purchased concrete box culverts.

We continued a 20 plus year program of aid to our townships and villages in the amount of \$149,500.

Although I've never ended a year completely satisfied that all goals have been met, many improvements to our county road and bridge systems were made in 2016. I look forward to the challenges 2017 will bring.

I would like to thank all employees, all township, village, and city officials, and the County Commissioners for their cooperation over the past year.

This department will continue to manage your tax dollars as efficiently as possible while constantly exploring better ways to do what we must to prepare Hocking County's road and bridge systems for future generations.

I encourage anyone to contact me with any questions regarding the information in this report or any of our operations in general. I am always interested in your thoughts, opinions, and ideas.

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Hocking County Engineer

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OUR MISSION STATEMENT

The job of County Engineer encompasses a vast array of functions and responsibilities.

However, I believe that our primary mission is to do the most that we possibly can to improve our county road and bridge system, to construct and maintain a network of arterial highways into and through Hocking County, while also preserving the natural beauty Hocking County has to offer.



Although it is often overlooked as a major influence, I firmly believe that an excellent county road system can significantly contribute to the expanding economy of Hocking County.

I believe that the condition of our county's highways can and will have an impact on our ever growing tourism industry. Roads, which for years have been only farm-to-market or home-to-work routes, are now being traversed each year by thousands of tourists visiting the many shops and attractions our county offers.

This department and our employees are very dedicated to this goal, and I believe that the improvements made in past years and planned for the future are proof positive.



**COUNTY ENGINEER'S DEPARTMENT
EMPLOYEES**

The experience and dedication of our small staff has certainly made up for the lack of numbers. Our office currently has only 19 employees, including 4 administrator/office, and 15 maintenance employees.

Additionally, Frank Nelson heads up the tax map office on a part-time basis. Also, Randy Keyes serves on a part-time basis as our Bridge Inspection Team Leader.

As revenues permit, a limited number of college students help us on a part-time basis during the summer months.

I am very proud of what our employees were able to accomplish in 2016.

Full time employees as of 12-31-16 were:

George Andrews	Brian Jones	David Mosure	David Sheets
Reese Carpenter	Jay Mahaffey	Rich Nice	Jared Solt
Bob Heady	Cheryl Mervis	Donavon Oliver	Joe Spicer
Troy Hoke	Shane Meyer	Kevin Risch	Steve Weis
Mark Huffman	Steve Mohler	Maggi Berry Shaqra	

TAX MAP AND DRAFTING DEPARTMENT

The Hocking County Auditor's Tax Map and Drafting Department is located on the second floor of the courthouse. This department updates our road maps, assigns house numbers, and checks surveys and deed s for accuracy.

Staffed by Frank Nelson of the Hocking County Engineer's Department with Wesley Barber and Charles Worthington of the Hocking County Auditor's Department, this office updates the county tax maps on a regular basis. Their quality and accuracy are ranked among the best in the state.

The public can obtain the following items from this office at the cost of reproduction: tax maps, county road maps, Hocking County atlas, aerial photographs, topographical maps and house numbers.

Feel free to top by at any time to see what information is available for your particular parcel.

A few statistics for 2016 from this office follows:

New House Numbers Issued	184
New Parcels	118
Instruments of Conveyance	700
Surveys Checked	175

OUR OFFICE PUBLICATIONS

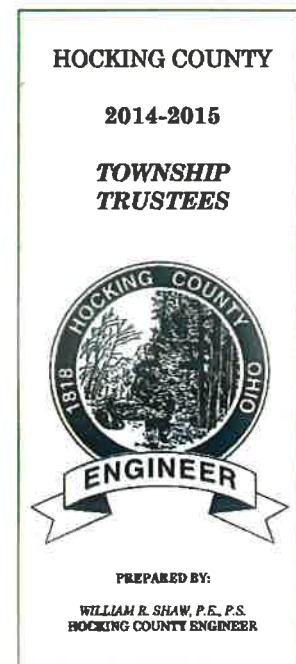
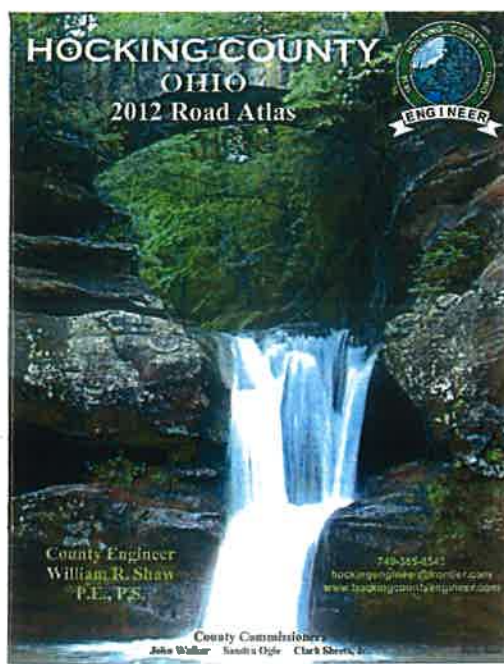
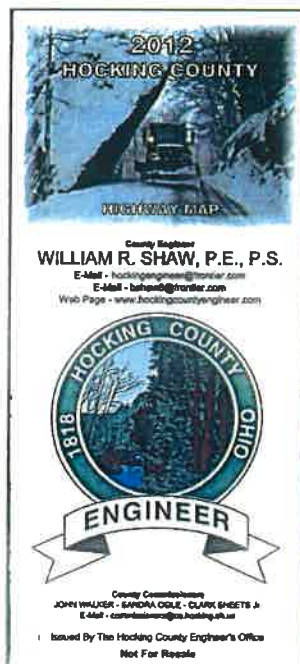
Our office has many types of maps available on CD at no cost. Paper copies can also be obtained for as little as 25 cents.

We also offer our 2012 Hocking County Highway Map on CD for \$50.00. A signed usage waiver is required.

Tax maps are located on the website: www.co.hocking.oh.us/Maps/CountyMaps

Other publications that our office provides for the public at no or minimal cost follows:

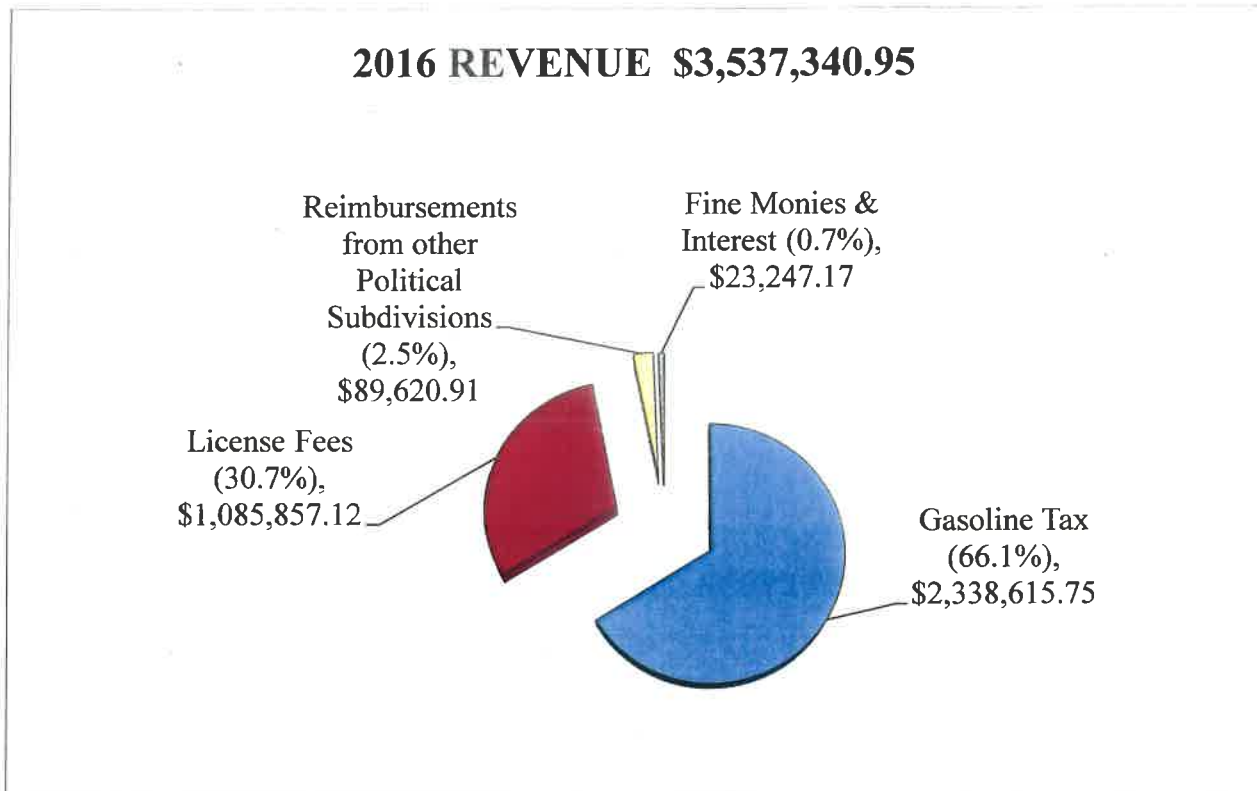
- ❖ Hocking County Highway Map – These maps show all public roads within the county as well as the city streets.
- ❖ Hocking County Road Atlas
- ❖ Hocking County Township Trustees and Fiscal Officers' Directory
- ❖ Hocking County Driveway and Roadside Pipe Policy
- ❖ Split Requirements Contact Sheet
- ❖ Deed and Survey Requirements



2016 REVENUE

Our revenue for 2016 was \$3,537,340.95. Proceeds from the state gasoline tax and vehicle license fees make up the majority of the revenues for the operation of the Hocking County Engineer's Office.

Our largest revenue source is the gasoline tax. Counties statewide receive approximately 4.4 cents of the state's 28-cent tax, with all 88 counties receiving an equal share. This helps small counties such as ours. We received \$2,338,615.75 in gas tax revenues in 2016.



The vehicle license fee is our second major source of revenue. Revenue is only received from those who register vehicles in Hocking County.

We received \$1,085,857.12 in 2016 from these vehicle registrations.

Reimbursements from other political subdivisions for services or materials received are included as revenue, which in 2016 amounted to \$89,620.91.

A certain amount of fine monies from the Hocking County Municipal and Juvenile Courts are received each year, amounting to \$19,196.02 in 2016, and interest received from cash on hand was \$4,051.15.

Not shown on either the revenue or expenditure pie charts are \$578,180.00 grant and loan funds which were paid directly to contractors by state or federal agencies.

Contrary to popular belief, **NOT ONE PENNY OF ANY PROPERTY TAX OR SALES TAX YOU PAY GOES TO THE HOCKING COUNTY HIGHWAY DEPARTMENT TO BUILD AND MAINTAIN OUR COUNTY ROADS AND BRIDGES. I encourage you to review your property tax statement (middle left) to see where your property tax goes. You will not find the "County Highway Department" listed.**

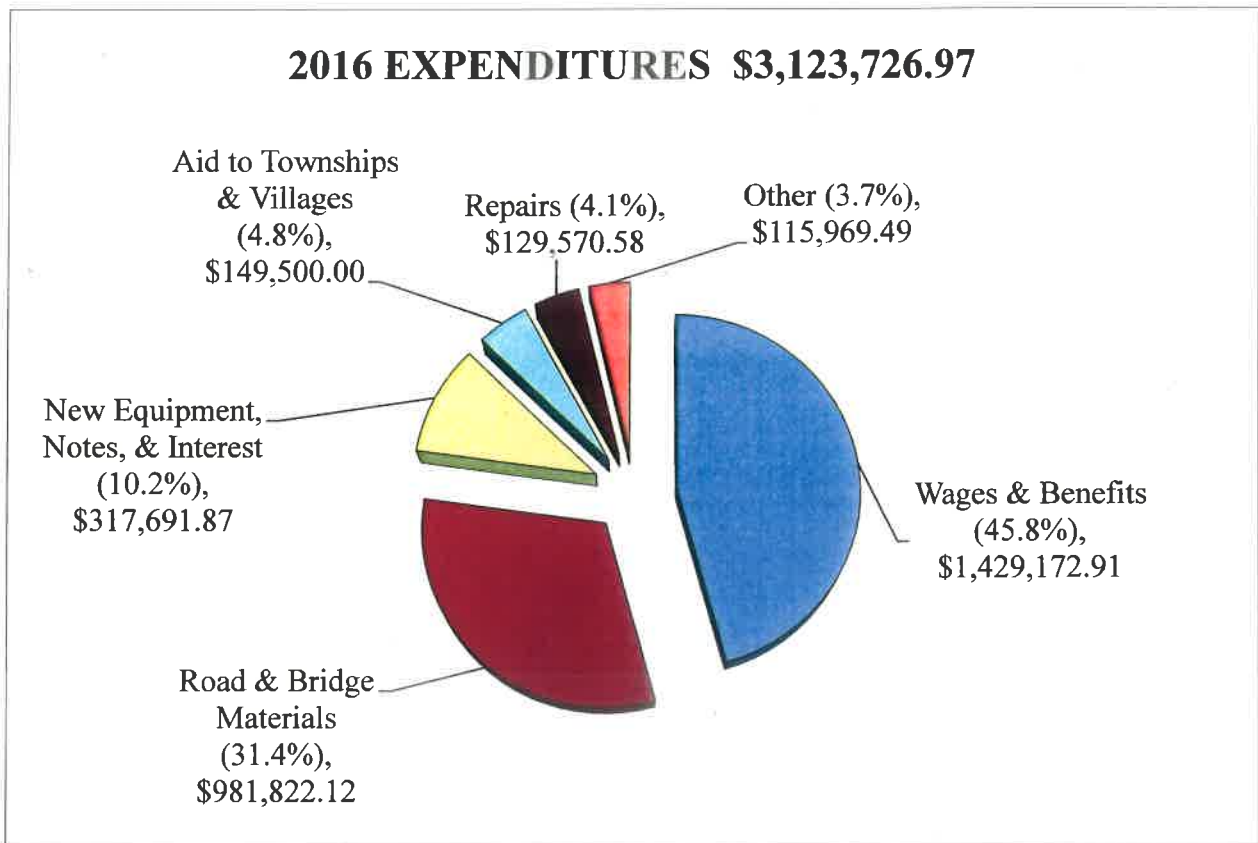
2016 EXPENDITURES

Our total expenditures in 2016 were \$3,123,726.97. It is important to use as much of the budget as possible for road and bridge materials and contracts since these expenditures are for the material to actually build and maintain our roads and bridges.

Our 2016 expenditures continue to show a very good balance between labor costs and road and bridge materials purchased. The total labor and fringe benefits were \$1,429,172.91 and \$981,822.12 was spent for road and bridge materials.

One (1) new dump truck with plow and spreader was purchased for \$129,585 and two (2) new pickup trucks at a cost of \$51,961.

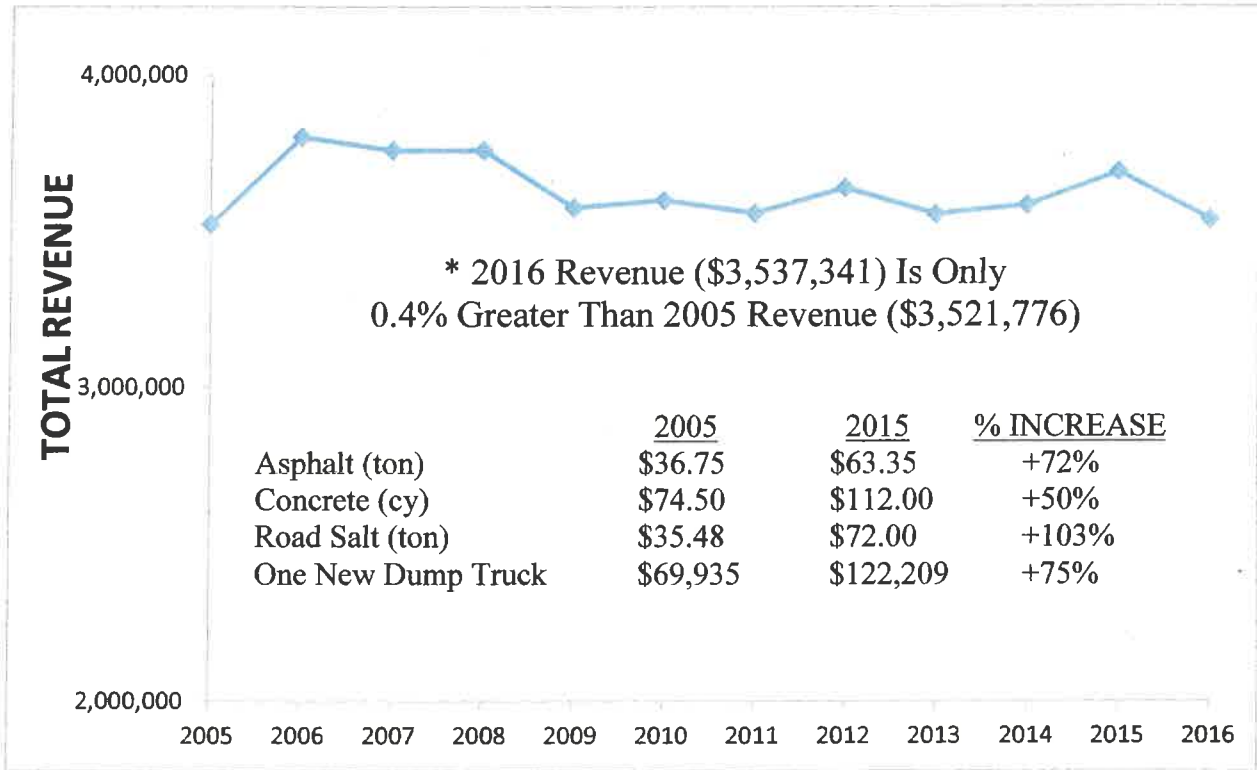
We continued our policy of donating \$149,500 to our eleven Boards of Township Trustees and two (2) Villages.



Major road and bridge materials purchased in 2016 were:

* 16,752 tons of asphalt by Contract	\$910,456
61,384 gals. of gasoline/fuel	\$112,104
493 tons rock salt	\$35,824
7,396 tons of stone	\$138,921
5,168 feet of culvert pipe	\$142,306
760 yds. of concrete	\$76,044
1,472 tons grit for ice/snow control	\$6,953
20 tons cold/winter patch mix	\$1,600

* Includes OPWC grant/loan funds paid directly to the contractor.

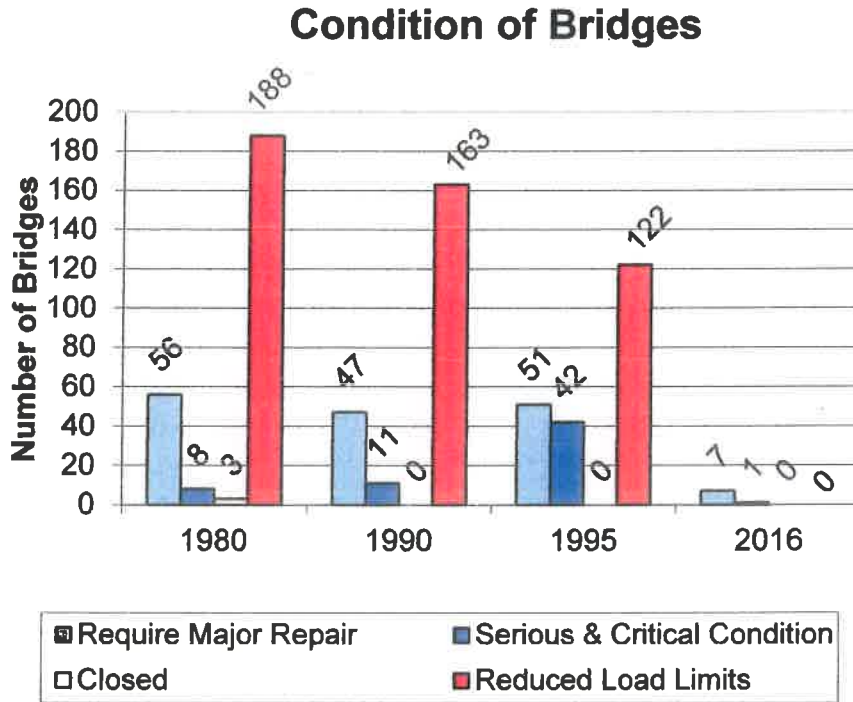


**REVENUE vs. CONSTRUCTION COSTS
A MAJOR PROBLEM!**

2016 Revenues (\$3,537,341) were 4% less than those received in 2015 (\$3,689,089) and were only 0.4% greater than revenues received eleven years earlier in 2005 (\$3,521,776). Meanwhile, the costs to build and maintain our roads and bridges increased considerably as shown above.

2016 BRIDGE PROJECTS

This department is responsible for 261 bridges on the County and Township highway systems. By using precast concrete units, our crews have been able to put a serious dent in the number of deficient bridges.



As can be seen on the table, in 1980, 188 bridges were posted with reduced load limits. Today there are “zero” bridges posted with reduced load limits.

Two (2) major bridges were replaced by county crews in 2016, while abutments for another were precast for erection in 2017. Two (2) large concrete box culverts and numerous culverts were also replaced in 2016.

<u>ROAD</u>	<u>SIZE</u>	<u>COUNTY LABOR & EQUIPMENT</u>	<u>COUNTY MATERIAL</u>	<u>CONTRACT</u>	<u>TOTAL COST</u>
Laurel Run Rd.	24' x 30'	\$28,686	\$52,335	----	\$ 81,021
Goose Creek Rd.	24' x 25'	\$27,857	\$33,512	----	\$ 61,369
Laurel Run Rd. (concrete box culvert)	8'x6'x48'	\$27,162	\$40,326	----	\$ 67,489
Logan Horn's Mill Rd. (concrete box culvert)	8'x6'x40'	\$26,303	\$39,974	----	\$ 66,277

Our bridge crew also installed 2,436 feet of various size polyethylene and arched metal pipe.

You, the public, should be made aware that there are always efforts statewide to severely restrict the amount of bridge work county employees can do. I am a firm believer that our methods and abilities can continue to give Hocking County's tax payers the biggest bang for their buck, able to build twice as many short span structures doing them “in house” as compared to contracting the work. I plan to fight these efforts to the max.

2016 Bridges and Culverts



CR #26, Laurel Run Road, 8' x 6' x 48' concrete box culvert



CR #249, Goose Creek Road, 24' x 25' bridge

CR #26, Laurel Run Road, 24' x 30' bridge



Nobel County Engineer Mark Eicher and his bridge crew visited our casting operation to see the Laurel Run bridge beams and abutments being fabricated. They also visited the bridge construction site twice to observe first-hand how we are able to replace our bridges much more quickly and at a considerable savings over conventional methods.

They plan to adopt a similar process in the coming year.



CR #32, Logan Horns Mill Road, 8' x 6' x 40' box culvert

Precast concrete bridge abutments, decks, and box culvert headwalls produced at our casting facility and stored on our yard awaiting erection in 2017.



STATUS OF ROADS

Now that virtually all of our COUNTY road pavements are paved with hot mix asphalt, we are constantly seeking new preventative maintenance measures to extend the life of these pavements.

A total of 13.59 miles were paved in 2016. Shelly & Sands, Inc. of Zanesville, Ohio was the low bidder for both paving Projects #1, #2 and #5. Project #1 consisted of paving 4.06 miles of Fairview Road at a cost of \$347,268.75. Project #2 was for 9.19 miles which included Laurel Run Road and Bear Run Road for a total of \$495,482.90. Project #5 was 0.34 miles on Summit Drive and Northwest Road for \$23,240.05.

County crews stabilized base failures, blade patched, strip sealed, and made drainage improvements to roads prior to paving and placed new stone berms on over 27 lane miles of newly paved roads.

The Hocking County Engineer's Office also again aided the City of Logan with bidding documents and grant applications as in previous years.

HOT MIX PAVING

<u>ROAD</u>	<u>MILES</u>	<u>COST</u>
CR #287, Fairview	4.06	\$347,268.75
	Local Share	(\$106,016.75)
	OPWC Grant	(\$241,252.00)
 CR #26, Laurel Run	4.88	 \$263,107.35
CR #76, Bear Run	<u>4.31</u>	<u>\$232,375.55</u>
	9.19	\$495,482.90
	Local Share	(\$158,554.90)
	OPWC Grant	(\$300,000.00)
	OPWC Loan	(\$36,928.00)
 CR #407, Summit Drive	0.30	 \$20,505.93
CR #407A, Northwest Rd.	<u>0.04</u>	<u>\$ 2,734.12</u>
	0.34	\$23,240.05 (Local Funds)

In addition to the above paving, 0.24 mile of CR #33A, Chieftain Drive, was milled and paved at a total cost of \$44,650.00 paid from our local funds.

“The Scaparrotti Veterans Bridge”

The 286-foot bridge located on CR #33A, Chieftain Drive, over the Hocking River is the longest structure on our inventory and was given the Historic Bridge Award in 2011. In 2016, the bridge was named “The Scaparrotti Veterans Bridge” at the suggestion of the Hocking County Engineer, Bill Shaw.

Two large bronze plaques were locally made and erected on each end of the bridge by the Hocking County Engineer’s Department in recognition of the following:

General Curtis Michael Scaparrotti
First Sergeant Michael C. Scaparrotti
and all past, present, and future
Veterans from Hocking County who
served in all branches of the Armed
Forces



General Curtis Michael Scaparrotti, a Logan native, is a four-star general in the United States Army, and is the current Supreme Allied Commander Europe (SACEUR) of NATO Allied Command Operations. He is also the commander of the United States European Command. First Sergeant Michael C. Scaparrotti, also a Logan native, is General Scaparrotti’s father.

A 696” x 36” aluminum “Scaparrotti Veterans Bridge” sign, also locally made, was installed by the Hocking County Engineer’s Department on the upstream side of the bridge in view of the many people enjoying activities on the Hocking River. All costs were paid by the engineer.



Hocking County is proud to honor all men and women of our Armed Forces!