



# Athens County Engineer 2023 Annual Report

*This is my eleventh annual report on the condition of the county roads, bridges, and culverts as required by Section 5543.02 of the Ohio Revised Code.*

## AN EXTRAORDINARY YEAR FOR PAVING COUNTY ROADS!

I'm excited to report that we had an extraordinary year! The combination of multiple state and federal grants combined with investments from local partners resulted in an extraordinary resurfacing and bridge construction program in 2023.

The asphalt resurfacing of 28 miles of county road (16% of the asphalt county roads) was powered by a \$2 million County Surface Transportation Program (CSTP) federal grant; \$400,000 from an OPWC "Issue 1" state grant; a \$474,250 ARPA award from the Board of Commissioners; and \$784,750 in local funds from the County Engineer's budget. The CSTP federal paving grant is very competitive as 88 Ohio counties compete for this grant with approximately 6 projects awarded each year. The funding becomes available six years after the application date. We'll go after this grant again in the fall of 2024 and hope to have another "outlier" paving year in 2030!

The reconstruction of four county bridges was made possible with \$921,556 in Local Bridge (LBR) grants; a \$240,000 investment from CCU Coal & Construction; a \$60,097 contribution from Athens Township; and \$212,449 in local funds from the County Engineer's budget. I'm extremely proud of my office staff and highway workers. Two county bridges were contracted out and two bridges were built by County forces, as well as three major bridge repair projects. Although we collaborate on all of these projects, the four new bridges were surveyed and designed by my Deputy Engineer, Donnie Stevens II.

We continue to make dramatic improvements in our rural chip and seal roads by using asphalt leveling methods. Manufacturing 8,742 tons of asphalt cold mix at our Canaanville depot enables us to do twice as much work and saves Athens County \$609,055. We sold more than 700 tons to villages and townships at our cost thereby saving them about \$49,000 collectively. The 7,822 tons of asphalt leveling work that was put into the county road system is equivalent to paving more than 9 miles of county road if it were applied to an 18' wide road.

Although I have made investments in trucks and equipment during the past 11 years, it has not been nearly enough. We have an aging fleet of dump trucks and pickup trucks; two road graders that are nearly 30 years old and need replaced; an asphalt distributor truck that is no longer usable; and several other pieces of equipment that are far beyond their useful life. I continue to purchase used equipment as needed to be able to function. This cannot continue and a larger percentage of the Engineer's budget will be invested in better equipment in the years ahead.

Construction inflation continues to erode our ability to invest in the repair and replacement of the 335 bridges along with the 359 miles of county road that we maintain. Extreme inflation during the "Covid years" has caused many of these grant funded projects that were programmed several years ago to come up short today.

Jeff Maiden, P.E., P.S.  
Athens County Engineer

The mission of the Athens County Engineer's Office (ACEO) is to serve the citizens of Athens County by building and maintaining a safe and modern county highway system; to respond promptly to reasonable road complaints; to process land surveys and property records accurately; and to be good stewards of taxpayer dollars by developing cost effective solutions for road and bridge maintenance problems.

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## A MESSAGE FROM THE ENGINEER (continued...)

This results in the project scope having to be reduced or local funds having to make up the difference. We have paved a total of 96.2 miles of asphalt county roads in the 11 years that I have been in office for an average of 8.75 miles per year. This equals a 19.4 year paving cycle for asphalt roads. It will be very difficult to maintain that cycle in the years ahead without additional funding.

An unfunded mandate was issued by FHWA in the form of a “Plan of Corrective Action” (PCA FY2023 Part 2). The requirement is that county bridges missing gusset plate and shear analyses be load rated for all legal loads by June 30th, 2025. This applies to trusses, through girder bridges, and precast concrete bridges. There are 95 bridges in our inventory that need to be load rated for this “PCA” and we currently have 43 bridges completed. The cost to hire engineering consultants to do this load rating work would have been \$2,000 per bridge or \$190,000. We have two copies of AASHTO BrR bridge rating software and are planning on completing this work with current staff (myself and two other engineers), thereby saving the county \$190,000.

There is another “Plan of Corrective Action” (PCA FY2024 SHV Load Rating) from FHWA. It is my understanding that all N.B.I.S. bridges have to be load rated for Special Haul Vehicles (SHVs), AASHTO vehicles, and Ohio legal loads by December 31, 2025. There is a total of 154 “N.B.I.S.” bridges managed by the Athens County Engineer. The cost to hire engineering consultants to do this load rating work would be \$2,000 per bridge or \$308,000. We plan on doing this work with current staff (myself and two other engineers), thereby saving the county \$308,000.

The fill dirt for the embankment for the Marietta Memorial Hospital construction was trucked from a borrow pit on Harmony Road (CR 24) to the Columbus Road job site. Marietta Memorial signed a Road User Maintenance Agreement to cover the cost to repair the road after 40,000 cubic yards of dirt was hauled over the road. Marietta Memorial reimbursed the Engineer’s Office 50% of the cost to pave that section of road. The maintenance responsibility for this dead-end section of Harmony Road (CR 24) was gifted to the Canaan Township Trustees (0.76 miles- now TR 1342) and the Athens Township Trustees (0.18 miles) in December 2023.

The County Engineer prepared and submitted a Transportation Alternative Grant (TAP) and a Safety Grant to ODOT in late 2023 for the development of a shared use path from Athens High School to SR 682 along Johnson Road. This \$1.6 million project will provide a needed link between the Hocking Adena Bikeway and SR 682. The intersection of Johnson Road and US 33 was closed by ODOT in 2021, thereby making it a dead-end road. The maintenance responsibility for Johnson Road was gifted to the Athens Township Trustees (0.18 miles) in December 2023.

I’m very grateful for the opportunity to work with the fine people that are employed at the Athens County Engineer’s office and Highway Department. They are an exceptional group that are dedicated and committed to their work. It’s a joy and blessing to go to work everyday!

Thank you for the opportunity to serve as your Athens County Engineer for the past 11 years!



Respectfully,

A handwritten signature in blue ink, appearing to read "Jeff Maiden".

Jeff Maiden, P.E., P.S.  
Athens County Engineer

# RESURFACING PROJECTS

Project	Road No.	Road Name	Project Limits	Length (miles)	Surface Treatment	Construction Cost
ATH-CR VAR RESURF FY23	CR15	Wood Rd	SR 681 to Ladd Ridge Rd	1.91	Motor Paving	\$ 2,997,909
	CR42	Fossil Rock/Mill School Rd	Shade Rd to US 50	8.80		
	CR16	Pleasanton Rd	Fisher Rd to US 33	2.07	Hot Mix Asphalt	
	CR20	Strouds Run Rd	US50 to Hebbardsville Rd	3.13		
	CR21	Pleasant Hill Rd	US 33 to Old US 33	1.66		
	CR25	Rock Riffle Rd	Mansfield Rd to US 50 Ramp	1.95		
	CR33B	Diamond Brick Rd	Hocking Co. Line to Nelsonville Corp	1.85		
E Belpre Pike Paving	CR61	E Belpre Pike Rd	SR 124 to Washington Co. Line	1.03	Thinlay Hot Mix	\$ 74,394
ATH-Motor Paving 2023	CR3	Dowler Ridge Rd	SR 691 to Carbondale Rd	3.01	Motor Paving	\$ 586,698
	CR9	Salem Rd	Vore Ridge Rd to SR 691	2.35		
<b>Total Asphalt Paving =</b>				<b>27.76</b>	<b>miles</b>	<b>\$ 3,659,001</b>

## ATH-CR VAR RESURFACING FY 23 Project

This project was rebid as a LPA project on February 16, 2023 and awarded to Shelly & Sands, Inc., for \$3,061,849. Shelly and Sands paved 10.7 miles of county roads with a 1.5” thick hot mix asphalt overlay, at an approximate cost of \$172,000 per mile (unit price bid of \$200 per C.Y.). The final contract cost was \$2,997,909 which includes the motor paving work.

The asphalt motor paving work was completed by The Shelly Company of Thornville, Ohio as a subcontractor to Shelly & Sands, Inc. The Shelly Company paved 10.7 miles of county roads using a cold mix asphalt at an approximate cost of \$108,650 per mile. The construction engineering and inspection was managed by David Bame of True Inspection Services.



The asphalt paving work began in the late summer and was completed in the fall. The primary source of funding was a \$2,000,000 County Surface Transportation Program (CSTP) federal grant, supplemented with ARPA funds, and local funds from the County Engineer’s budget. These funds are limited to major collector roads that are categorized as federal aid routes and cannot be used for paving all asphalt county roads.

## ATH-Motor Paving 2023 Project

Funded with a \$400,000 State Issue 1 grant from the Ohio Public Works Commission, this project was paved by The Shelly Company of Thornville, Ohio. The Shelly Company paved 5.4 miles of county road with cold mix motor paving methods at a total cost of \$586,698. This translates to about \$108,648 per mile.



## East Belpre Pike (CR 61) Paving Project

This project consisted of a 1” thick hot mix asphalt overlay project (called thin-lay). Mckee Paving LLC of Nelsonville, Ohio paved this 1 mile section of road at a total cost of \$74,394.

# ROAD MAINTENANCE BY COUNTY FORCES

## 2023 Asphalt Leveling (Grader Patching)

County roads that are scheduled to be paved and/or chip and sealed each year are repaired before they are resurfaced. The level of repair that is required depends on many factors including the severity of the winter and how many times the roads were plowed. Cold mix asphalt leveling is typically used on existing chip and seal surfaced roads; hot mix asphalt leveling is typically used on asphalt roads. We continued our focused effort in 2023 to improve these deteriorated sections by asphalt leveling with a motor grader and steel wheel roller. County crews applied 7,822 tons of cold mix asphalt on asphalt and chip and seal surfaces and 223 tons of hot mix asphalt on hot mix asphalt roads.

To put this into perspective, 8,045 tons of asphalt would pave 9.2 miles of county road at 18’ average width with an 1.5” asphalt overlay. Roads that received asphalt leveling by grader patching are the following:

CR3, CR3B, CR8, CR9, CR17, CR18, CR19, CR20, CR25, CR31, CR35, CR36, CR37, CR38, CR42, CR47, CR57, CR67, CR68, CR69, CR87, CR75, CR84, CR90, CR94, CR96, CR98

<b>ASPHALT LEVELING (GRADER PATCHING )</b>				
<b>Labor &amp; Fringes</b>	Materials	Equipment	Subcontract	Total
\$46,560	\$644,715	\$40,402	\$261,192	\$992,869
	7822 tons cold mix		McKee Paving	
	223 tons hot mix		CR14, CR24, CR59, CR78, CR80, CR90, CR93	

## Chip and Seal Work

Short sections of the following roads were chip and sealed by County employees:

- CR20- East Scatter Ridge/ CR25- Long Run Road/ CR38- Sand Rock Road/ CR65- Deep Hollow Road/ CR69- Chase Road
- CR75- Coolville Ridge Road/ CR84- Felton Road/ CR94- Kuhns Road

The work was done to either repair a damaged section of road; complete a section of road that was predominately chip & seal but a section had deteriorated to gravel; or for dust control purposes in front of houses. The cost to do this work was as follows:

<b>Chip and Seal Work by County</b>				
<b>Labor &amp; Fringes</b>	Materials	Equipment	Subcontract	Total
\$ 14,609	\$ 71,991	\$ 15,432	\$ 0.0	\$ 102,032
	874 tons stone			
	18,307 gal. emulsion			

## 2023 Pothole Patching

ACEO started manufacturing cold mix asphalt in January 2018. The manufactured material is used during cold weather months to patch asphalt and chip and seal pavements. Hot mix asphalt is occasionally used for patching potholes on asphalt pavements. Patching potholes is hard work and an important part of road maintenance work.

<b>POTHOLE PATCHING</b>			
<b>Labor &amp; Fringes</b>	Materials	Equipment	Total
\$ 56,975	\$ 42,601	\$ 18,288	\$ 117,864
1,651 manhours	533 tons cold mix		

# COLD MIX MANUFACTURING

The Athens County Engineer's Office partners with the Marietta office of Asphalt Materials, Inc., to manufacture cold mix asphalt at the Canaanville Outpost. Asphalt emulsion is purchased and a portable pug mill is provided to mix the asphalt with limestone. #67 limestone was purchased from Shelly Materials in Fultonham, Ohio for asphalt base; #8 limestone was purchased from Diamond Stone in Albany, Ohio for asphalt top.

1867 TONS BASE & TOP COAT COLD MIX MANUFACTURED ON 05/09/23	Unit Quantity	Materials	Labor	Equipment	Total Cost	Price/Ton
<b>Bare Cost to Manufacture- per ton</b>	1867					<b>\$80.33</b>
Asphalt Emulsion- per gallon (+ \$2,383 freight)	22690.84	\$89,742.73			\$89,742.73	
Pug Mill Rental- Mobilization	1			\$4,934.00	\$4,934.00	
#8 Limestone- TOP	900	\$27,180.00			\$27,180.00	
#67 Limestone- BASE	900	\$25,650.00			\$25,650.00	
Operators (20 hours) + Superintendent (8 hours)	28		\$1,438.26		\$1,438.26	
Case Loader/ Caterpillar Loader = 10 hours each	20			\$1,031.50	\$1,031.50	
Cost to Load Township Trucks - per ton	8		\$28.13	\$29.65	\$57.78	<b>\$7.22</b>
Administrative Cost- Billing						<b>\$8.45</b>
<b>Direct Cost to Townships &amp; Villages (Per Ton) =</b>						<b>\$96.00</b>

The bare cost to manufacture cold mix asphalt in 2023 was \$80.33 per ton.

The cost to purchase cold mix asphalt in Marietta was \$140.00 per ton.

The trucking cost from Marietta to Canaanville is approximately \$10.00 per ton.

The 2023 net savings per ton of asphalt was \$69.67 per ton

Total cold mix manufactured in 2023 = 8,742 tons

**Total savings to Athens County from manufacturing cold mix in 2023 = \$609,055**

2023 Total Cold Mix Sold	
Township/Village/City	Tons
Alexander	208.72
Ames	27.87
Athens	44.34
Canaan	17.13
Carthage	178.55
Dover	27.23
Rome	26.65
Trimble	47.37
Troy	63.88
City of Nelsonville	24.27
Village of Albany	3.09
Village of Chauncy	8.01
Village of Glouster	12.25
Village of Jacksonville	9.89
Village of Trimble	10.81
The Plains Water & Sewer	3.09
<b>2023 TOTAL</b>	<b>713.15</b>

The Athens County Engineer sells asphalt cold mix to townships, villages, and the City of Nelsonville. This material is used to patch potholes throughout the year. Although the selling price of \$96 per ton includes a small fee for loading the material and an administrative fee for billing, it still represents a substantial savings to these other local governments (compared to purchasing cold mix and trucking from Lancaster or Marietta).



# BRIDGE PROJECTS BY CONTRACTORS

## 2023 Bridge Replacement Projects using LBR Grant Funds

Structure	Road Name	Project Description	Construction Cost	Inspection & Constr. Admin	Total Cost
ATH-CR49-0.04	Joy Rd	59' Precast Box Beam Bridge	\$ 498,857	\$ 45,201	\$ 544,058
ATH-TR231-1.62	Sharps Run Rd	50' Precast Box Beam Bridge	\$ 403,468	\$ 49,763	\$ 453,231
TOTALS =			\$ 902,325	\$ 94,964	\$ 997,290

### The Joy Road Bridge Replacement (ATH-CR49-0.04)

Located in the village of Sharpsburg in Bern Township, a few miles from the remote areas of Morgan County where the deer and the antelope play. The existing bridge had a general appraisal rating of 4 (poor) and a load limit of 20 tons. The steel deck was severely rusted with gaping holes in the bridge surface. The new 59' span bridge was a composite prestressed concrete box beam bridge on capped pile abutments and was designed by Donnie Stevens II, Deputy Engineer. The ACEO chose the “Local-Let” process in lieu of hiring ODOT to administer the contract. TRC Engineering, Inc. was hired for inspection and construction administration services. The contractor for the project was Buds, Inc. at a low bid price of \$487,509. The project was completed in June 2023.



### Sharps Run Road Bridge Replacement (ATH-TR 231-1.62)

Located three miles north of the village of Stewart in Bern Township, the existing sandstone abutments had deteriorated beyond the 2022 rating of a “serious condition” (GA = 3) and the bridge was closed. The field survey and engineering drawings were completed by Donnie Stevens II, Deputy Engineer. The new 50' span bridge was a composite concrete box beam bridge with concrete abutments bearing directly on bedrock. The ACEO chose the “Local-Let” process in lieu of hiring ODOT to administer the contract. DLZ was hired for inspection and construction administration services. The low bidder was Alan Stone Company at \$411,616. The project was completed in December 2023. Before and after:



# BRIDGE CONSTRUCTION BY COUNTY FORCES

## 2023 Bridge Replacement Projects by County Forces

Structure	Road No.	Road Name	Project Description	Contracted	Labor-Mat-Equip (F.A.)	Total
ATH-TR58-0.10	TR 58	Hooper Rd	14'x5' Box Culvert	\$ 42,249	\$ 88,071	\$ 130,320
ATH-CR31-3.10	CR 31	Oakdale Rd	24'x8' Box Culvert	\$ 152,142	\$ 154,349	\$ 306,492
TOTALS =				\$ 194,391	\$ 242,420	\$ 436,812
**Labor/Equip/Mat = The portion of these bridge projects subject to "Force Account" rules						

### The Hooper Road Bridge Replacement Project (ATH-TR58-0.10)

The bridge is located 422 feet from the intersection of US 50 and Hooper Road (Athens Township Road 58). Bridges on township roads with a span equal to 10 feet or longer are the responsibility of the County Engineer.

The existing bridge was structurally sound but was functionally obsolete because it was 17' feet wide. The bridge inventory contains 113 bridges that are in worse condition than this bridge (i.e., with a GA in the 3 to 5 range). This project was a priority for the Athens Township Trustees because fire trucks travel across it from the Richland Avenue Fire Station. The Trustees agreed to pay for the materials and subcontract costs (\$60,097) and the Athens County Engineer's office provided the engineering design, labor, and equipment (\$70,223) to construct the bridge.



### The Oakdale Road Bridge Replacement Project (ATH-CR31-3.10)

Located on Oakdale Road in Trimble Township, this bridge had a general appraisal rating of 5 and a load limit of 18 tons. Trucks loaded with coal could not cross this bridge. It was not a priority for replacement (i.e, the county inventory has 47 bridges that are in worst condition with a GA in the 3 to 4 range).

CCU Coal started mining coal in 2022 and transported the coal northwesterly on Johnson Run Road into Perry County. The route through Perry County was a narrow, gravel road. The County Engineer negotiated a Road User Maintenance Agreement with CCU Coal and Construction, LLC and it was signed on June 6, 2023 (one year after the mining began). The coal company agreed to pay \$240,000 toward the cost of replacing a new bridge on Oakdale Road and the Athens County Engineer's Office paid \$66,492 of "in-kind" labor and equipment costs.

The bridge was completed in four weeks and opened to traffic on October 26th, 2023 (two months ahead of schedule). The precast concrete box culvert was installed by Double Z Construction; asphalt paving by McKee Paving; guardrail by MP Dory Co.; and all other work by the Athens Co. Engineer's bridge crew. Field surveying and design by Donnie Stevens II, Deputy Engineer. Before and after:



# BRIDGE REPAIR BY COUNTY FORCES

## 2023 Bridge Replacement Projects by Force Account

The Athens County Bridge Crew completed three significant bridge repair projects in 2023 along with other routine bridge maintenance work.

Structure	Road No.	Road Name	Project Description	Contractors	Labor-Mat-Equip (F.A.)	Total
ATH-CR70-0.99	CR 70	Meadowbrook Rd	Bridge Deck replacement	\$ 15,588	\$ 45,041	\$ 60,629
ATH-CR46-0.96	CR 46	Blackwood Rd	Covered Bridge rehab/reinfor.	\$ 14,050	\$ 73,059	\$ 87,109
ATH-CR96-0.59	CR 96	Greens Run Rd	Abutment Repair/Scour protection		\$ 11,811	\$ 11,811
TOTALS =				\$ 29,638	\$ 129,912	\$ 159,549
**Labor/Equip/Mat = The portion of these bridge projects subject to "Force Account" rules						

### Meadowbrook Road Bridge Deck Replacement

This bridge is located in Alexander Township on Meadowbrook Road about 1 mile from the US 50 intersection. The existing wood deck was replaced with a 5 gauge galvanized, 3 x 9 steel corrugated bridge deck from US Bridge (pictured right). The county bridge crew did all the work except for the asphalt paving by McKee Paving LLC of Nelsonville, Ohio. The project was completed on August 15, 2023.



### Blackwood Covered Bridge Repair

The bridge was temporarily closed when it was discovered that a vertical truss member had completely sheared that created a 3” gap in the wood post. Four vertical truss members were reinforced with four 1.25” diameter steel rods that span from the top chord to the bottom chord of the wood truss (pictured left). The Engineer collaborated with Woolpert Consultants to verify the proposed design. Hydraulic jacks were purchased to lift and support the trusses at the four panel points on the lower chord, thereby allowing the reinforcing rods to be installed. The bridge was opened on August 3, 2023.

### Greens Run Road Bridge Repair

This concrete slab bridge in Trimble Township had significant scour damage to the sandstone abutments. A concrete footer and “curtain wall” was poured in front of the sandstone abutment to preserve and extend the life of the bridge. Work was completed in November 2023. Pictured right: New concrete wall at sandstone abutment.





# WORK BY COUNTY FORCES

## Processing Boundary Surveys

The County Engineer's staff checked 255 boundary surveys in 2023 for compliance with the minimum standards for boundary surveys pursuant to Chapter 4733-37 of the Ohio Administrative Code.

## Processing Utility Permits in County Road R/W

Brandon Williams reviews utility permit applications for compliance with county regulations and completes a field review at the proposed site. The County Engineer's office reviewed and approved 58 utility permits in 2023.

## Snow and Ice Removal

The 2023-2024 winter season was a very mild winter. This resulted in a stockpile of salt and grits that will be carried forward into the 2024-2025 season.

2023-2024 Snow and Ice Removal		
Item	Amount	Total Cost
Labor (in hours/includes overtime)	831	\$ 40,044
Salt (in tons)	364	\$ 30,663
Grits (in tons)	1589	\$ 23,430
Limestone Gravel (in tons)	701	\$ 19,988
Total Labor and Materials Cost =		\$ 114,126
<i>Note: Does not include Fuel &amp; Equipment Costs</i>		

## Culvert Replacement

County road workers replaced 35 culverts on 15 different county roads in 2023. Culvert replacement on Hebbardsville Road pictured right.

CULVERT REPLACEMENTS - by Athens County Engineer Employees					
County Road	Labor + Fringe	Equipment	Materials	Culvert (feet)	Total
Totals	\$ 124,322.68	\$108,440.79	\$ 85,513.52	1387	\$318,276.99



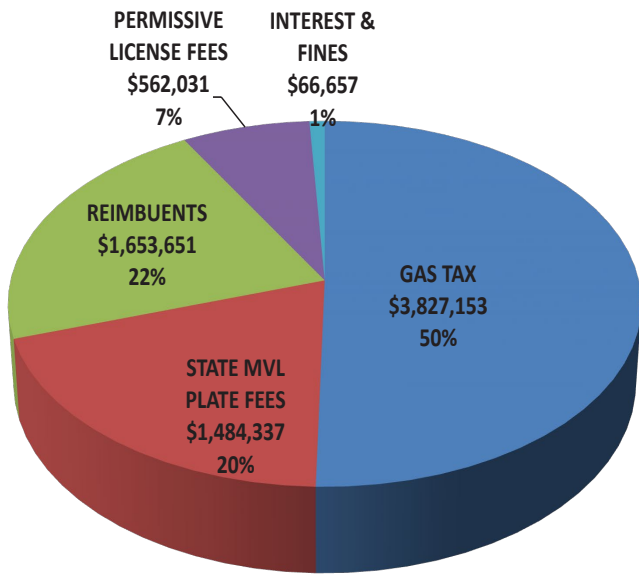
- **Berming**
- 339.70 man hours
- \$ 8,681.97 – Labor
- \$ 6,633.37 – Fringes
- \$ 20,238.32 – Equipment
- \$ 2,312.18 – Materials
- \$ 37,865.84 – Total
- **Ditching**
- 1,733.15 man hours
- \$ 48,301.93 – Labor
- \$ 40,783.96 – Fringes
- \$ 100,450.16 – Equipment
- \$ 1,331.64 – Materials
- \$ 190,867.69 – Total
- **Mowing**
- 3 rounds of mowing
- 2,643.74 man hours
- \$ 68,563.33 – Labor
- \$ 55,271.25 – Fringes
- \$ 130,360.21 – Equipment
- \$ 254,194.79 – Total
- **Brush/Tree Removal**
- 3,023.47 man hours
- \$ 83,296.46 – Labor
- \$ 63,319.22 – Fringes
- \$ 112,794.10 – Equipment
- \$ 259,409.78 – Total

## 2023 Tree Removal



# FINANCIALS

## REVENUE- 01/01/23 - 12/31/23: \$7,593,828



### FIXED REVENUE

Fixed revenues are the figures used for annual budget projections and consist of gas tax, MVL plate fees, permissive license fees, and interest/fines. Total revenue received in 2023 was \$7,593,828 with fixed revenue coming in at \$5,940,177. The Engineer's main source of income, the gas tax, is distributed equally among Ohio's 88 counties. Statewide, the gasoline tax collected is \$0.385/gallon with County distribution \$0.04441/gallon. The diesel fuel tax is \$0.47/gallon with County distribution \$0.0539/gallon. License registrations fees and permissive license fees are distributed between the county, townships, and municipalities.

### VARIABLE REVENUE

Variable revenues in 2023 totaled \$1,653,650. Reimbursements totaled \$1,352,893 and consisted of FEMA/OEMA grant reimbursements; the sale of salt and cold mix asphalt to township/villages; and proceeds in the amount of \$240,000 from a road user maintenance agreement between CCU Coal and Athens County for the Oakdale Road bridge replacement. Variable revenues also reflect a USDA loan/grant in the amount of \$250,000 used to purchase a new dirt loader.

### PASS THROUGH REVENUES

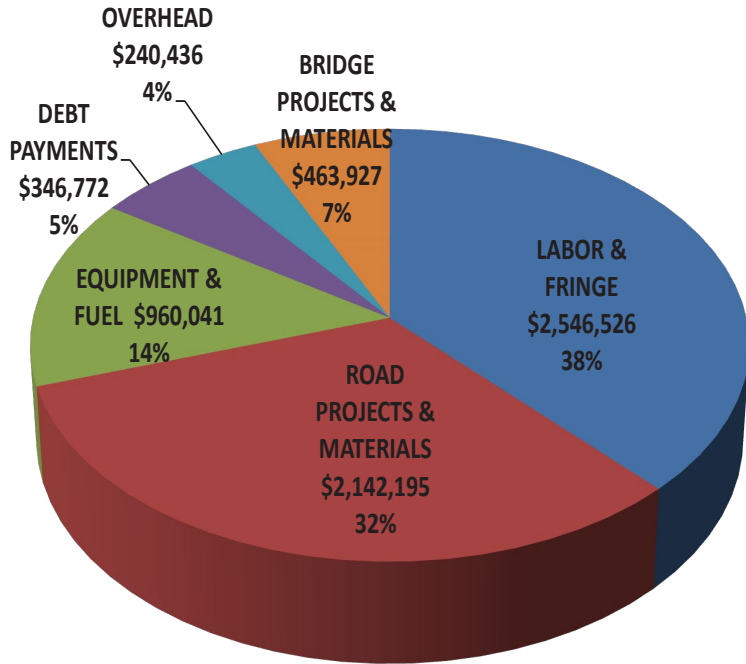
Pass through revenues are funds paid on behalf of the county directly to contractors. This was an extraordinary year for pass through revenues totaling \$3,721,112 which included a \$2 million CSTP Paving grant; a \$400,000 OPWC Issue 1 grant; a \$474,250 ARPA fund contribution to the 2023 resurfacing project; \$761,862 in LBR bridge grants; and \$85,000 in BFP bridge grants.

**With pass through revenues included, total revenue in 2023 was \$11,314,940!**

Name of Grant Program	Name of Grantor Agency	Grant Revenue Received or Passed Through	Reimbursable or Nonreimbursable
FEMA 2018 / 2019 Disaster Grants	Multiple Slip Repairs-	\$288,605	Reimbursable
OEMA State Disaster Relief Program	Multiple Slip Repairs-	\$400,292	Reimbursable
OPWC Emergency Program	Multiple Slip Repairs-	\$120,099	Reimbursable
Facilities Loans and Grants (USDA)	USDA	\$50,000	Reimbursable
American Rescue Plan Act	ARPA	\$474,250	Paid directly to contractor
OPWC Issue 1 (LTIP)	OPWC	\$400,000	Paid directly to contractor
CSTP Paving Grant (FHWA)	FHWA	\$2,000,000	Paid directly to contractor
BFP Bridge Grants (FHWA)	TR 83-1.40 & TR 471-0.01	\$85,000	Paid directly to contractor
LBR Bridge Grant (State Funds Exchange)	CR 49-0.04	\$516,855	Paid directly to contractor
LBR Bridge Grant (State Funds Exchange)	TR 231-1.62	\$245,007	Paid directly to contractor
Reimbursed Revenue (reported in ACEO reimbursable revenue)		\$858,996	
Grant amount paid directly to contractor (pass-through revenue)		<b>\$3,721,112</b>	
Total Grant Funds Received in 2023		\$4,580,108	

# FINANCIALS

**EXPENSES- 01/01/23 - 12/31/23: \$6,699,897**



## EXPENSES

Expenses for the Athens County Engineer's Office totaled \$6,699,897. Labor and fringe benefits accounted for \$2,546,526 of total expenses, or 43% of fixed revenues for a staff of 27 full time employees and 11 intermittent employees.

Road material totaled \$1,190,189 and consisted of approximately 20,000 tons of various limestone aggregate and concrete rip-rap, over 100,000 gallons of asphalt emulsion for cold mix manufacturing, 300 tons of salt, concrete, guardrail, and various culvert pipe. Road project expenses consist of revenue paid to contractors for asphalt paving, slip repairs, chip and seal, and road striping totaling \$462,562.

Equipment maintenance and purchases totaled \$736,064 and included a 2023 Leeboy dirt loader (pictured below) used for ditch maintenance on 359 miles of county roads; a 2024 GMC Sierra Pickup; a

steel trench box; and a Case backhoe purchased from Lodi Township. Fuel expenses, which include the purchase oil, antifreeze, various equipment fluids, of over 50,000 gallons of fuel, totaled \$223,977.

## CARRYOVER

The road fund balance on January 1, 2024 was \$2,018,989. A portion of the local share of the 2023 paving project (\$368,946) was budgeted as a 2023 expense but did not get paid until 2024 thus making \$1,650,043 in carryover revenue available for use on January 1.



## A LITTLE INVESTMENT GOES A LONG WAY

This 40' temporary bridge (pictured left) was donated to us from the The United States Forest Service. A new timber deck was installed by County forces using \$3,350 in materials. Brand new, these structures sell for around \$50,000. This temporary bridge was used at the Joy Road bridge replacement and will be used at the future bridge replacement on Emma Wyatt Road.



## **ATHENS COUNTY ENGINEER 2023**

**Front Row:** Travis Brooks, Donnie Stevens, Jeff Maiden, Brandon Williams, Tracy Bobo, John Brunton, Brian Baker, Justin Carder, Mark Meili, Bill Mellinger, Brent Kasler

**Back Row:** Cody Hill, Andrea Friendscho, Jay Pickell, Craig Scott, Justin Williams, David Frank, David Harvey, Tom Snyder, Cory Russell, Jeremy Hayes, Keith Sargent, Shorty Hawk

**Absent:** Rick Nott

### ATHENS COUNTY ENGINEER'S MANAGEMENT TEAM:

**Jeff Maiden, P.E., P.S.**

Engineer

**Donnie Stevens, P.E., P.S.**

Deputy Engineer

**Cody Hill**

Road Superintendent

**John Brunton**

Bridge Superintendent

**Brandon Williams**

CAD/GIS Technician

**Jay Pickell**

Garage Supervisor

**Andrea Friendscho**

Business Manager

Contact the Athens County Engineer's Office:

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Athens, Ohio 45701

Office Hours:  
Monday to Friday  
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