

2022 ANNUAL REPORT

Coshocton County Engineer
Frederick T. Wachtel, P.E., P.S.



CONDITION OF ROADS, BRIDGES, AND CULVERTS

INSIDE THIS ISSUE

Personnel Matters	2
Other Things We Do	2
Fleet Management.....	2
Coshocton County Utilities Department.....	2
Access Management.....	3
Coshocton County Regional Planning.....	3
Safety Issues	3
Community Emergencies	3
Major Road Improvements	4
Drainage Improvements & Culvert Installations	4
Current Condition Rating of Our 350 Miles of Road	5
Amish Steering Committee....	5
Winter Snow Patrol	5
Bridge Construction	6
Pending Road Projects	7
Pending Bridge Projects	7
Tax Map/GIS.....	8
Floodplain Administration.....	8

From Fred's Desk...

We are filing this report to highlight the Coshocton County Engineer's Office 2022 activities and to lay out our tentative plans for the 2023. It has been an honor to serve as Coshocton County Engineer for the past 30 years.

As always, if you have questions with regard to the various activities of the County Engineer's Office, please feel free to contact us at 740-622-2135 or via email at fredwachtel@coshoctoncounty.net. For current information with regard to the County Engineer's Office, please visit our website at www.coshoctoncounty.net.



Helmick Covered Bridge near Blissfield, was built in 1863. It was listed on the National Register of Historic Places in 1975.

CONTACT US:

23194 CR 621, Coshocton, Ohio 43812
Phone: 740-622-2135 * Fax: 740-623-6512
www.coshoctoncounty.net/agency/engineer

PERSONNEL MATTERS

The year 2022 was a stable year personnel-wise. We had one probation termination, therefore our labor force consists of 13 Highway Maintenance Workers and 2 Head Mechanics. On our current County Engineer's Office roster, I am the oldest employee by 3 years and the longest tenured employee by 8 years.

Six employees completed 2022 with perfect attendance: Brent Everhart completed 15 years; Cody Westhoefer four years; Brian Albertson three years; Rob Helmick two years; Jason Hamlett and Duane McElhaney one year.

OTHER THINGS WE DO

- The Coshocton County Engineer's Office serves as the Executive Director of the Coshocton County Regional Planning Commission
- Fred serves as the Chair of Coshocton County Transportation Improvement District.
- Fred is the Floodplain Administrator for the Coshocton County Commissioners, the City of Coshocton, and the Village of Warsaw.

COSHOCTON COUNTY UTILITIES DEPARTMENT

Other than a small wastewater package treatment that serves the County Commissioner's Building currently used by Headstart, the County owns no public water nor wastewater infrastructure. However, as the Sanitary Engineer for the Commissioners, I continue to answer questions about public water and sewer expansion and look for ways to partner with the City of Coshocton and the Villages of West Lafayette and Warsaw to make service available to unserved areas in our county.

FLEET MANAGEMENT

We continue to evaluate our fleet to try and position our operation with the right combination of vehicles and construction equipment so that we can effectively provide service to our constituents. In our ongoing effort to maintain a serviceable fleet, the following lists are our major equipment purchases and deletions:



Additions:

2022 Western Star 49X tandem axle w/upfit \$230,471

2022 Western Star 4700SF single axle \$106,900

2022 Komatsu PC88MR-11 excavator \$131,481

Deletions:

2003 GMC C8500 Dump Truck \$7,871



ACCESS MANAGEMENT

Access Management is an important of our highway safety plan. A properly sited drive that is built correctly and maintained helps to protect the health, safety, and welfare of the property owner and the travelling public.

Access permits issued in 2022 totaled 137. These permits consisted of 20 Minimum Volume (MinV) driveways, 16 Temporary MinV driveways, 84 Very Low Volume (VLV) driveways, 1 Medium Volume (MV) driveway, and 16 Large Volume (LV) driveways. Nine drives were cited for construction without a permit. A total of \$7345 in access fees and penalties. In addition, we dealt with one access management variance request which was ultimately approved by the Board of Appeals for the Smart Growth Transportation Policy. There were 58 Right-of-Way permits in 2022, which generated \$1360 in fees.

At least one permit for either a driveway or a utility installation was issued in each of our 22 townships.

County Engineer's Office personnel review all property splits that are received by the Coshocton County Regional Planning Commission. All but one of the property splits for 2022 were approved, although a few needed to be re-designed to comply with our regulations.

We continue to deal with logging operators who are not familiar with our county logging policies. (or choose to ignore them).

O.U.P.S. tickets were reviewed on a daily basis. Contact was established with the person or business that submitted the O.U.P.S. Ticket. If required, a site visit was made and /or inspections were conducted at the job site. The review of the O.U.P.S. tickets resulted in corrective work in some locations, and permit applications in others. Not all O.U.P.S. tickets required action from this office.

COSHOCTON COUNTY REGIONAL PLANNING COMMISSION

The County Engineer's Office continues to be contracted to serve as the Director /Administrator for the Coshocton County Regional Planning Commission. A lot of time is spent answering questions from property owners, realtors, developers, and surveyors with regard to splitting property. All fees are processed through our office and any necessary field reviews or inspections are performed by County Engineer's Office personnel. The contract agreement has the County Commissioners paying the Engineer's Office \$1,000 per month and the County Engineer's Office and the County Health Department each receiving \$50 of the CCRPC split fees for every new property shape created. In 2022 we processed 119 applications that created 280 parcels (property shapes). There were ten private road subdivisions approved, one major subdivision, two major subdivision re-plat, and two minor private road subdivision re-plats and five minor road subdivisions. The majority being in the northern portion of the county. All 22 of our townships had at least one lot split application.

SAFETY ISSUES

Our 2022 safety report had ZERO reportable incidents! That is where we try to be every year.

COMMUNITY EMERGENCIES

The year 2022 was relatively uneventful with regard to weather calamities. And, although we are still dealing COVID, having vaccines available to lessen its impact has allowed us to return to a little more normalcy in our work and our everyday lives.

MAJOR ROAD IMPROVEMENTS

Our 2022 resurfacing program consisted of a combination of MVG funding, and Ohio Public Works Commission (OPWC) grants.

We administered all aspects of the OPWC Round 36 resurfacing projects. County Engineer's personnel administered the contracts and provided the construction inspection. Entities that were participants in these projects included the Coshocton County Engineer; the City of Coshocton; the Village of West Lafayette; the Townships of Lafayette and Virginia. By collaborating and sharing services with various other governmental entities we are able to provide a better, more economical project for all involved.

County roads resurfaced in 2022 were:

- CR 10, asphalt, CR 425 to CR 171, 3.02 miles, White Eyes Township, \$461,062
- CR 24, asphalt, CR 28 to TR 45, 1.47 miles, Bethlehem Township, \$214,302
- Otsego Ave, asphalt, SR 83 to RR tracks, 0.92 miles, Tuscarawas Township, \$155,197
- CR 318, asphalt, SR 60 to Dead End, 0.66 miles, Clark Township, \$67,676
- CR 501, asphalt, SR 541 to SR 541, 0.62 miles, Jackson Township, \$94,964
- CR 14, motorpave, CL to CR 4, 1.47 miles, Washington Township, \$206,061
- CR 343, motorpave, TR 312 to CR 19, 1.78 miles, Clark Township, \$180,528
- CR 319, FDR & Single Seal, CR 49 to CR 33, 0.76 miles, Clark & Monroe Townships, \$55,175
- CR 33, Double Seal, CR 19 to CR 49, 3.28 miles, Clark & Monroe Townships, \$155,478
- CR 80, Double Seal, SR 79 to CR 3, 1.45 miles, Pike & Perry Townships, \$52,567
- CR 18, Double Seal, CR 367 to SR 541, 2.71 miles, Perry Township, \$131,323
- CR 3, Double Seal, SR 60 to SR 541, 3.05 miles, Bedford Township, \$140,380
- CR 20, Double Seal, FDR locations, 1.53 miles, Tiverton & Newcastle Townships, \$48,176
- CR 132, Double Seal, TR 130 to CL, 1.21 miles, Monroe Township, \$48,176



DRAINAGE IMPROVEMENTS & CULVERT REPLACEMENTS

County crews completed 44 different installations on our County road system in 2022 at a total cost of \$338,418. These installations ranged in size from 15" up to 60" diameter plastic pipe and one 8' by 6' by 44' long concrete box culvert. The installations were in 8 different townships with the most installations, 19, being in Bethlehem Township. Most of the installations were done in preparation for paving work done later in the year.

Maintaining our road-side ditches to protect the integrity of our drainage systems and protect the traveling public is an ongoing priority.



CURRENT CONDITION RATINGS OF OUR 350 MILES OF ROAD:

	Excellent	Good	Fair	Poor	Critical
'22	37	243	56	14	0
'21	39	244	54	13	0
'20	41	232	64	13	0
'19	30	231	75	14	0
'18	23	228	86	13	0
'17	36	216	82	16	0
'16	47	202	92	10	0
'15	37	185	106	24	0
'14	31	206	89	24	0
'13	39	215	80	18	0
'12	58	175	93	26	0
'11	56	172	88	36	0
'10	51	167	99	35	0

AMISH STEERING COMMITTEE

The following table shows the amount contributed and the amount of expenditures the County Engineer has spent on contract repairs on roads frequently used by animal drawn vehicles:

* The 2022 contribution was actually two payments because Amish Steering Committee is changing to a fall distribution.

We continue to meet regularly with the Northeast Coshocton County Infrastructure Connection (NECCIC) to discuss the state of businesses and infrastructure in the northeastern part of our county. The committee consists of a combination of business owners, both Amish and "English," and local government officials. Needs, wants, and how to pay for improvements are all on the table.

We were successful in receiving Federal Funds to extend the existing buggy lane on CR 12 approximately 300 feet to the intersection with SR 643. Engineering Associates from Wooster, Ohio was selected as the consulting engineer for this project. The funding for the project is through ODOT and is scheduled for sale the first quarter of State Fiscal Year 2025.

YEAR	CONTRIBUTION	CONTRACT EXPENDITURE
2011	\$8,541	\$32,000
2012	\$8,246	\$22,936
2013	\$9,145	\$21,214
2014	\$10,008	\$29,154
2015	\$9,586	\$791,195
2016	\$23,204	\$628,724
2017	\$23,204	\$242,188
2018	\$26,454	\$0
2019	\$28,185	\$104,821
2020	\$27,677	\$186,775
2021	\$30,201	\$380,166
2022	*\$64,310	\$461,062

WINTER 2021-2022 SNOW PATROL

Statistics for road treatment for the winter of 2021-2022: We responded to 31 events; We worked 1592.25 hours of regular time and 796.25 hours of overtime; We drove 32,518.90 miles; We used 1,652.45 tons of salt and 1,028.18 tons of cinders/grits for a total material cost of \$110,682. The total cost to Coshocton County for last winter's snow patrol was just under \$289,000. For comparison, the winter of 20-21 cost just over \$470,000.



BRIDGE CONSTRUCTION

In 2022, we were able to replace four bridges utilizing grants and local funds. These projects were: Monroe Twp Road 337, Bridge 1 – a four-sided concrete box culvert contracted through McConnell Contracting at a cost of \$188,489 of which \$134,280 of the cost was reimbursed through OPWC Emergency funds; Millcreek Twp. Road 21, Bridge 6 – a galvanized beam concrete deck bridge at a cost of \$195,708 completed through a combination of force account and contracted work with McConnell Contracting; Millcreek Twp. Road 221, Bridge 1 – a four-sided concrete box at a cost of \$123,730 contracted through McConnell Contracting; and Adams Twp. Road 242, Bridge 3 – a galvanized beam timber deck bridge at a cost of \$192,998.62 completed through a combination of force account and contracted work with McConnell Contracting.



In addition, County forces made major repairs to two other bridges: Perry Twp. Road 383, Bridge 2, – abutment replacement at a cost of \$121,786; Keene Twp. Road 206 Bridge 1 – replaced timber deck at a cost of \$11,776.

Based upon ODOT’s sufficiency ratings, the breakdown at year’s end is as follows:

	'22	'21	'20	'19	'18	'17	'16	'15	'14	'13	'12	'11	'10	'09	'08
Bridges	268	269	269	270	270	270	267	271	273	276	277	284	288	288	289
Excellent	96	100	106	102	102	106	125	124	123	108	105	103	98	95	91
Good	142	142	135	132	140	137	118	122	116	95	90	91	91	91	93
Fair	20	16	17	19	19	17	20	18	24	59	49	52	65	69	73
Poor	9	9	9	15	8	9	4	7	10	14	29	38	34	33	32
Critical	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0
% Posted	5.6	7.4	7.4	10.0	9.3	10.0	11.2	14.0	13.5	16.3	17.0	20.1	22.2	21.1	22.4

The General Appraisal Summary of our bridges is as follows:

	GA9	GA8	GA7	GA6	GA5	GA4	GA3	GA2
'22	7	20	81	86	46	21	7	0
'21	5	19	81	84	47	28	5	0
'20	7	23	77	94	45	21	2	0
'19	7	30	69	88	47	24	4	1
'18	11	30	66	89	49	20	5	0
'17	13	30	64	91	46	19	7	0
'16	9	31	69	82	48	23	5	0
'15	9	27	94	56	57	22	7	0
'14	7	25	95	62	56	20	8	0
'13	3	20	93	68	57	26	9	0
'12	2	17	96	68	54	27	13	0
'11	0	14	95	70	60	34	11	0
'10	0	11	100	65	64	37	11	0
'09	0	13	94	69	67	39	6	0
'08	0	17	87	70	75	34	6	0

PENDING ROAD PROJECTS

Our 2023 resurfacing program will be funded through a combination of County Engineer's Office funds and a pending OPWC grant. No general fund monies are allocated to the County Engineer's Office. The planned projects, providing funding is available, include:

- CR 12, asphalt, SR 83 to TR 212, 3.00 miles, Keene & Millcreek Twps., \$518,127
- CR 402, single seal, SR 206 to SR 79, 3.65 miles, Perry & Bedford Twps., \$78,754
- CR 79, single seal, CR 3 to TR 79, 0.41 miles, Bedford Twp., \$9,978
- CR 92, double seal, CR 367 to SR 206, 1.2 miles
- CR 436, FDR/single seal, TR 71 to CR 14 and CR 4 to CR 3, 4.79 miles, Washington & Perry Twps., \$356,721
- CR 410, double seal, TR 121 to chip seal, double seal 1.43 miles.

PENDING BRIDGE PROJECTS

Bridge projects planned for construction in 2023, provided funds are available, include:

- County Road 6, Bridge 10, (OPWC 20) in Virginia Township (box beam)
- Township Road 176, Bridge 5, (OPWC 21) in Adams Township (steel beam)
- Township Road 173, Bridge 1, (OPWC 21) White Eyes Township (steel beam)
- County Road 286, Bridge 1, in Franklin Township (box culvert)
- Township Road 338, Bridge 2, in Monroe Township (box culvert)

In addition, our crews will be performing various maintenance activities on our inventory of 269 bridges. This includes re-decking, channel work, signage, waterproofing, and any emergency work as needed. We will also be looking for more potential bridge to culvert conversions.

We were granted LBR funding to replace the CR 365 bridge over the Mohican River in Cavallo (Tiverton Twp.). This is scheduled for construction in Fiscal Year 2025. We have begun the process to meet all the milestones associated with a Federally Funded bridge replacement project. E. P. Ferris and Associates has been hired to design the replacement structure.

Additionally, we were granted Federal Bridge Formula Program (BFP) funding to replace TR 252, Bridge 1 in Adams Twp. This is also scheduled for construction in Fiscal Year 2025. A consultant has not been selected for bridge design but will be selected in early 2023.



GIS / TAX MAP

Our GIS / Tax Map Office is staffed by two people, Jona Lee Mikesell, who handles our survey and deed reviews and Jessica Goodsell, who handles our mapping and GIS system. I provide professional support and guidance to help these two with the many challenges they face dealing with all aspects of land records in our county.

Deed and survey review for the last five years were:

Year	Documents of Transfer	Surveys	Platted Subdivisions	Description Checks
2022	1516	194	14	65
2021	1687	193	12	58
2020	1387	197	12	68
2019	1581	219	8	89
2018	1259	168	10	128

GIS parcel maintenance activities were:

Year	Parcels Transferred	Parcels Split	Parcels Combined	Parcels Resurveyed	CAUV Calculations
2022	2451	153	57	52	0
2021	2673	140	82	56	0
2020	2359	139	81	55	286
2019	2084	179	102	96	338
2018	1964	102	53	55	247

Included in the Parcels Transferred were 4 parcels that transferred 4 times and 6 parcels that transferred six times.

We assigned 113 new addresses in 2022 compared to 92 in 2021.

We continue to provide GIS support for many government offices in our county.

FLOODPLAIN ADMINISTRATION

The County Engineer's Office serves as the Floodplain Administrator for the Coshocton County Commissioners, the City of Coshocton, and the Village of Warsaw.

Floodplain permits issued in 2022 included 11 blanket utility permits and 10 project specific permits.

We continue to answer inquiries from property owners, and potential property owners, with regard to floodplain development conditions and limitations.

WE'RE ON THE WEB!

www.coshoctoncounty.net