

2022 ANNUAL REPORT

PREPARED BY:
ALAN BRUBAKER, P.E., P.S.
SUMMIT COUNTY ENGINEER

ISSUED APRIL 15, 2023



Brandywine Road Bridge over Brandywine Creek



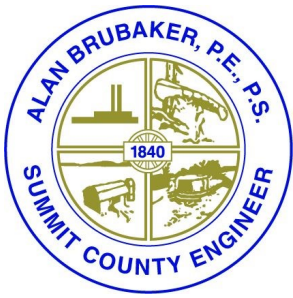
Brandywine Road Bridge over Brandywine Creek

Mission Statement

Our mission is to serve the Summit County community by maintaining and improving our region's infrastructure, encouraging economic development, and ensuring a safe and efficient transportation system while protecting the environment.

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ALAN BRUBAKER, P.E., P.S.

SUMMIT COUNTY ENGINEER

April 15, 2023

Summit County Council
Ohio Building – 7th Floor
175 South Main Street
Akron, Ohio 44308-1314

Dear Members of Summit County Council:

In accordance with the Ohio Revised Code Section 5543.02, I respectfully submit the Summit County Engineer's (SCE) annual report for the year 2022. This report reviews the activities of this Office for 2022, highlighting major infrastructure improvement projects and the maintenance of our existing infrastructure. The office continues to be an active partner with the townships, cities, and villages in their efforts to update and improve local infrastructure systems.

Our primary sources of revenue are license taxes and gasoline taxes. In 2022, tax revenue was basically flat, bringing in approximately \$19.61 million. Total revenue did increase 7.5% in 2022 due to receiving reimbursements for some of our capital projects from previous years. Capital spending jumped from \$8 million to \$11.6 million. Projects that were delayed due to the pandemic were constructed in 2022, causing the large increase in capital spending.

2022 was our fourteenth year in office and it was a busy one. We were fully able to get our capital program back on track from pandemic times. The coming years will also be busy with the passage of the Bipartisan Infrastructure Law and American Rescue Plan Act. Increased federal funding is available for bridge and stormwater projects. We have been successful getting six bridges funded through various programs. The Surface Water Management District is getting up and running with projects moving forward, so there will be plenty of capital activity in 2023.

This annual report highlights many of our projects and initiatives. If you have any questions regarding past accomplishments or the future plans set forth within this Annual Report, please contact me at (330) 643-2850.

Sincerely,

Alan Brubaker, P.E., P.S.
Summit County Engineer

Services

**Summit County Engineer Alan Brubaker, P.E, P.S.
is pleased to offer the following services to the public:**

- Design, construction, inspection and maintenance of Summit County highways, bridges and dedicated stormwater facilities.
- Surface Water Management District covering all townships, one city, and one village.
- Installation, inspection, and maintenance of traffic safety equipment, guardrail, signs, traffic control signal systems, and pavement markings on county highways and bridges.
- Snow and ice control on Summit County highways and in other communities by agreement.
- Engineering design and other services to Summit County's cities, villages and townships.
- Inspection, maintenance, and repair of assessed subdivision stormwater facilities.
- Coordination of local efforts to procure state and federal funding for infrastructure.
- Township representation: SCE has dedicated an employee to cover each township, attend meetings, and stay in touch with local issues as they arise.



Engineer Brubaker, County, and Village officials at the ribbon cutting ceremony for Akron-Peninsula Road in Peninsula

Your Summit County Engineer maintains:

- Over 360 lane miles of roads - in all seasons
- 281 bridges throughout the County
- Over 1200 culverts
- Hundreds of miles of road right-of-way and roadside ditches
- Regional stormwater facilities, including assessed subdivisions
- Over 30 signalized intersections

**THE SUMMIT COUNTY ENGINEER
HAS A WEALTH OF RESOURCES
AND INFORMATION FOR PUBLIC
USE. PLEASE LET US KNOW HOW
WE CAN HELP YOUR COMMUNITY!**

CALL US AT 330.643.2850

www.summitengineer.net

Here's just some of the resources currently available on our website:

- List of current projects & initiatives
- Conveyance standards
- Road records
- Bid notices
- Traffic alerts
- SCE publications
- Surveys
- Subdivision plats & documentation
- Monument mapper (new GIS app!)
- County maps
- Road and bridge permit forms
- Township services forms

Notable Events

Getting Federal Funding for County Bridges

Summit County Engineer Alan Brubaker, PE, PS is pleased to announce that additional bridge funding is coming to Summit County as a result of the passage of the Federal Bipartisan Infrastructure Law (BIL). BIL awarded funding to states on a formula basis. The state of Ohio received \$96.7 million in bridge formula funding in 2022. The Ohio Department of Transportation has tasked the County Engineer's Association of Ohio's new Bridge Formula Program with scoring applications and awarding the funding to counties. So far, Summit County will be receiving \$5,196,700.00, with additional funding opportunities available in future rounds of the Bridge Formula Program. The Summit County Engineer's Office applied for and received funding for the following bridges:



Steels Corners Road Bridge

- Ira Road Bridge over North Fork, Bath Township, \$745,000.00
- South Main Street Bridge over Nimisila Creek, New Franklin, \$560,000.00
- Snyder Avenue Bridge over Tuscarawas River, Barberton, \$1,200,000.00
- Christman Road Bridge over Nimisila Reservoir, Green, \$1,172,000.00
- Granger Road Bridge over Yellow Creek, Bath Township, \$1,519,700.00

In addition, persistent SCE bridge engineers received state funding through the Ohio Department of Transportation's Local Major Bridge program for the Steels Corners Road Bridge Rehabilitation Project. The project, which was previously to be funded with all local dollars, received \$1 million in funding, leaving the County Motor Vehicle and Gas Tax fund responsible for only \$100,000.00 of the cost. Steels Corners Road Bridge is the longest County-owned bridge, stretching over 1,000 feet. The bridge needs new expansion joints, waterproofing, and resurfacing.

High Level Bridge

SCE took the first step in what will likely be a decade long process to replace the North Main Street Bridge over the Cuyahoga River, aka the High Level Bridge. While Steels Corners is the longest bridge, the High Level Bridge is the highest and largest and most expensive piece of infrastructure owned by Summit County. We authorized GPD Group to proceed with beginning the preliminary engineering process, including mapping and environmental investigation.

The current thinking is that the all-new structure would be on an offset alignment to allow the existing structure to carry traffic while the new structure is built. There would be minimal disruption to traffic during construction. Additional right of way would be needed to construct the new structure. The new structure would carry four lanes of traffic and two sidewalks.

The last few years have been all about locating funding for the bridge project. The average annual revenue for the Summit County Engineer's office is \$19 million and the necessary cost to design and construct and replacement bridge is \$55-\$60 million, which is 3 times the County Engineer's annual revenue. The current estimated planning costs for this bridge is \$8.2 million, which is almost half of the County Engineer's annual budget. Designing and replacing the High Level Bridge simply cannot be done on local funds alone, so SCE will continue applying for funding from state and federal sources.

Notable Events

Surface Water Management District Expansion

The Engineer's office has been coordinating a joint Annual Report to the Ohio EPA to assist most communities of Summit County meet their MS4 Stormwater Permit reporting requirements since 2003. The communities, the Summit Soil & Water Conservation District and the Summit Health District would forward their reports on how they met their portions of the six minimum control measures (MCMs) in the previous year, and how they planned to meet the MCMs in the coming year. SCE would compile the information and submit it to OEPA.

However, OEPA determined that the townships did not have the authority to enforce the illicit discharge detection and elimination (IDDE) rules in the MS4 permit, so Summit County would need to take on that responsibility. In order to undertake an IDDE program, the mapping of the municipal separate storm sewer systems (MS4s) needs to be updated, and all of this will require revenue. Summit County Council adopted Codified Ordinance 944, Illicit Discharge and Detection, followed by adoption of an amended Codified Ordinance 942, which expanded the Surface Water Management District to include all townships. Village and cities are welcome to join the SWMD by enacting legislation, and Reminderville and Lakemore have done so.

The expanded SWMD is tasked with implementing a more robust MS4 plan and has contracted with Summit Soil and Water Conservation District to oversee these activities. These activities include establishing a surface water sampling and water quality monitoring program, including a system of recording and reporting water quality data, tracing the source of any identified pollutants, ordering corrective actions, and issuing fines for violations, helping communities implement their own best practices for township/village government, and outreach and education to the public, among many others.

Fees for the expanded SWMD program have been developed but will not be enacted until 2025. The fees are based on a combination of property value and acreage, with different rates for commercial, residential, vacant, and agricultural properties.

As the new program takes shape, community members will be asked to serve on various community and watershed advisory boards, to help guide and prioritize projects moving forward. We envision an advisory committee for each watershed with representation from each community and we will be asking community members and local elected officials to serve in that capacity. Residents and officials should feel free to share your thoughts with us as the process develops by using our "Contact Us" page, plus we have a Drainage Concern Form for residents wanting to report drainage issues.

In addition to the water quality requirements of the Ohio EPA MS4 permit, the expanded SWMD is advancing a number of studies and construction projects to improve surface water quality and mitigate flooding in every major watershed in the SWMD area. With the passage of the American Rescue Plan Act, funding has been made available to kick-start these initial SWMD priority projects prior to the start of SWMD fee collections. These projects will incorporate a variety of features including stream restoration, two-stage ditches, bankfull wetlands construction and enhancement, floodplain reconnection, swale improvements and others to be determined. The projects will include improving many County Ditches and restoring access and County responsibility for ongoing maintenance. The priority projects include the following:

1. Wye Road Phases 1 and 2
2. Idle Brook Bankfull Wetlands
3. Copley Ditch and Black Pond Outlet
4. Springfield Lake Outlet Channel Improvements
5. Springfield Lake Watershed Water Quality Basins
6. Everett/Oakhill Bridge Removal and Stream Restoration
7. Miscellaneous Stormwater Management for: Dorwick/Marwyck neighborhood, Penguin Drive Area, Copley Meadows, Pond Brook in Reminderville

Public Services Division

The Public Services Division is responsible for maintaining over 360 lane miles of county roadway, 281 bridges, over 1,200 culverts, guardrail, berms, vegetation control, ditches, pavement markings, traffic signals, tree trimming and removal, deceased animal removal, culvert pipes, fleet maintenance, retention and detention ponds, roadside mowing, and snow and ice control.

The Public Services Division's administrative office and the South Street Station are located at 601 East Crosier Street in Akron, with an outpost at Boston Mills Station located in Boston Township. Bath, Boston, Copley, Coventry, Northfield Center, Richfield, Sagamore Hills, Springfield and Twinsburg townships are provided general maintenance and snow and ice control by our department. In addition to our South Street and Boston locations, the County has a salt storage facility in Akron.

In 2022 a total of 902 requests for service were received and completed throughout the County for roadside mowing, ditching, berm cutting, pothole repairs, tree trimming, weed control, and asphalt patching. The department used approximately 2,700 tons of stone, 3,800 feet of culvert pipe, 1,900 tons of asphalt, and 9,387 tons of salt for snow and ice control.



Revere Road Culvert Repair

Public Services Division

Our North District performed culvert replacements and upgrades on Bath Road, Wheatley, 2 locations on Brandywine, Cleveland-Massillon and Hameotwn. Our North District stepped up to help with upcoming construction projects by performing tree removal on Olde 8, Akron-Cleveland, Revere, Brandywine, Ravenna Road, Cleveland-Massillon, Knox, and Valley View Roads. In addition, roadside mowing, mailbox repairs, bridge repair, ditching, culvert cleaning, berm cutting, pavement repairs, tree trimming, and weed control were also performed throughout the North District.

Our South District replaced culverts on Jacoby Rd at Cliffside, Jacoby Rd at Colon, and Portage Lakes Dr at Durst. They also performed culvert repairs and drainage improvements on Pressler Rd south of Krumroy, Schocolag Rd at S.R. 162, Cleveland Massillon Rd at Walterville and Ridge-wood Rd at Brentwood. In addition, roadside mowing, mailbox repairs, bridge repair, ditching, pavement repairs, tree trimming, and weed control were also performed throughout the South District.

Our Ditch Crew performed stormwater erosion repair, vegetation removal, and erosion protection in the following subdivisions: Chenoweth and Estates of Bath, along with a catch basin repair on Skyline Drive and sediment removal at Revere Lake Reserve. In addition, they performed routine maintenance and repairs on other various areas throughout Summit County.



Everett Road Bridge Removal

Material Usage

	2018	2019	2020	2021	2022
Salt (in tons)	13,200	10,200	7,250	8,350	9,387
Stone (in tons)	2,400	3,000	2,000	2,400	2,700
Asphalt (in tons)	700	1,100	1,300	1,500	1,900
Culvert Pipe (in feet)	400	420	560	400	380

Equipment Purchases

	Amount
4 Plow Blades	\$63,676.00
11 VBOX Spreaders	\$209,924.44
2 Ford Explorer 4x4 SUVs	\$58,550.00
2 CAT Paving & Compaction Rollers	\$116,478.00
1 Mounted Sewer Cleaner	\$77,934.00

Public Services Division

Bridge Section

In 2022, our bridge crews were busy sandblasting, forming, and pouring concrete to replace crumbling parapet walls, wing walls, and other important components of the bridges that comprise the lifeline of our commerce. The following highlighted projects demonstrate work performed by this crew in 2022.



Nimisila Road Bridge Concrete Repair

Bridge Maintenance Completed

- **Cleve-Mass Rd. Bridge over Yellow Creek (BAT 17-1763)** - Sandbar removal & armoring
- **Hines Hill Rd Bridge (BST115-0053)**-Repair erosion of embankments and headwall, and removed sandbar
- **Barber Road (NTC 53-0072)**-Expansion Joint Repair
- **High Level Bridge (AKR 8-0908)**-Bridge and fence repairs, concrete patch replacement
- **Riverview Road Bridge over Slipper Run (PNV 9-1180)** -Grout bag installation at scour and outlet
- **Akron Peninsula Road Bridge over Langes Run (BST 10-1010)** - erosion and gunite repairs
- **Metro Park** - Kayak Sign Installation on County bridges
- **Greenwood Parkway (SAG 2767-0051)** - Culvert joint repair
- **Killinger Road Bridge (GRT 238-0041)** - Erosion repair
- **South Main Street Bridge @ Vaughan Trail (COV 50-0750)** - Debris removal & repair sidewalk
- **Nimisila Road Bridge (FRA 57-0202)** – Rehabilitation/concrete repair

Upcoming Bridge Maintenance

- **Forest Run Dr over Branch Furnace Run** in Richfield Township – Replace entire length of guardrail.
- **Front St over Cuyahoga River** in City of Cuyahoga Falls – Repair embankment and storm sewer at the north end of the bridge.
- **Highland Road over Cuyahoga River** in Sagamore Hills Township – Streambank erosion repairs and pavement repairs.
- **N. Main St over Cuyahoga River** in City of Akron – Semi-annual bridge maintenance and cleaning, miscellaneous structural repairs, bridge deck and approach pavement repairs.
- **Portage Lakes Dr over East Reservoir Outlet** in Coventry Township – Concrete repairs to underside of bridge.
- **Shaw Rd over Branch Yellow Creek** in Bath Township – Repair stone foundations from stream erosion.
- **Townsend Rd over Furnace Run (two bridges)** in Richfield Township – Stream erosion repairs and concrete repairs.
- **Various Bridges throughout County** – Bridge railing and approach guardrail repairs and replacement. Foundation and stream erosion repairs. Structure repairs.

Engineering Division

The Engineering Division is active in the development of plans for highway, drainage, and bridge improvements and new construction on Summit County roads. The engineers and technicians prepare improvement plans for federal, state, and locally funded projects on County highways. They also assist townships by preparing plans for township roads and drainage systems. Our project managers are responsible for overseeing large projects from initial scoping through the design phase and into construction.



Knox Blvd Concrete Field Paving

Federally Funded Resurfacing Projects

SCE received federal Surface Transportation Block Grant funds for the following work that was bid out and/or constructed in 2022:

- **Cleveland-Massillon Road Resurfacing Phases 1 and 2** from the Norton line to E. Ridgewood Road
- **Ravenna Road** from Old Mill to the Twinsburg city Line
- **Smith Road** from Akron city line east of Lake of the Woods Drive and ends at Sand Run Road
- **Highland Road** from Macedonia to Chamberlin Road



Skelton Road Culvert Concrete Field Paving

Brandywine Road Bridge over Brandywine Creek

This project included rehabilitation of the existing three-span, continuous steel beam structure (Structure No. NOR-040-0157) carrying Brandywine Rd (CR 40) over the Brandywine Creek. Rehabilitation items included: new reinforced concrete deck, new bridge railing, new beam bearings, structural steel repairs, field painting of structural steel, substructure repairs, and new reinforced concrete approach slabs.

Summit County Miscellaneous Culvert (Bridge) Repairs

This project involved the field paving of five culvert type bridges in Summit County. This project repaired the bottoms and sides of these deteriorated structures listed below. The work entailed surface preparation, dewatering, filling voids, and pouring (field paving) 3 inches of reinforced concrete on the bottoms and sides of the culverts. These repairs added another 20 to 25 years of useful life to these culverts.

AKR-153-0011	Skelton Road	Little Cuyahoga River
NTC-253-0198	S. Hametown Road	Branch Hudson Run
RFT-2934-0017	Forest Run Road	Branch Furnace Run
SAG-2767-0051	Greenwood Parkway	Branch Cuyahoga River
COP-305-0033	Knox Blvd	Pigeon Creek

Engineering Division

Summit County is proud to offer a county-wide regional pavement maintenance program. We encourage local communities in Summit County to join our bid process, allowing us to go out to bid as one unit and, as a result, getting lower per unit costs for all of our communities who participate. Our pavement maintenance programs include hot mix resurfacing, motor paving, chip and seal, asphalt rejuvenation, crack sealing, pavement marking, culvert replacements, guardrail replacements, and concrete road repair. In 2022, 11 individual local governments participated. 26 individual projects were combined into nine larger projects worth \$8.85 million. Below are some of the county-owned roads included in 2022's pavement maintenance program.

405 (Motor Paving)

- Boston Mills Road from Hines Hill to Gas Well driveway
- Everett Road from Medina County line to Southern Road
- Lockwood Ave from Barberton line to State St
- Medina Line Road from Everett to McCormick

422 (Chip Seal)

- Albrecht Road from Akron line to Mogadore line
- Glenmount Ave from Swartz to I-277
- Warner Road from N. Turkeyfoot Road to South Main Street
- Revere Road from Olentangy to Sourek
- Ira Road from Hametown to Cleveland-Massillon
- Krumroy Road from Pressler to Myersville

441 (Hot Mix Asphalt)

- Bath Road from Medina Line Road to Hametown
- Brookwall from Springside to Cleveland-Massillon
- Crystal Lake from SR 18 to Idlebrook
- Quick Road from Akron-Peninsula Road to Cuyahoga Falls line
- Portage Lakes Drive from S. Turkeyfoot to S. Main St
- Skelton Road from Mogadore Road to Gilchrist
- Yellow Creek Road from the 2700 block to Yellow Creek Lane
- Main Street from Warner to Vaughn Trail
- Killian Road from SR 241 to Myersville

Asphalt Rejuvenating

- Highland Road from Chamberlin to Hadden
- Springside Drive from SR18 to Cleveland-Massillon
- Stow Road from Hudson line to Old Mill
- Twinsburg Road from SR 91 to Macedonia line
- Ridgewood Road from the roundabout to 600 feet west of Cleveland-Massillon
- S. Turkeyfoot Road from New Franklin line to Portage Lakes Drive
- Canton Road from Tisen to Salmon

Asphalt Crack Sealing Program

- Black Road from SR 303 to Turnpike Bridge
- Jacoby Road from SR 162 to Ridgewood
- Olde 8 from SR 82 to SR 8
- Sourek Road from Ghent to Revere
- Ghent Road from Fairlawn line to I-77
- Crystal Lake Road from Idlebrook to Granger
- Alger Road from Richfield line to Luther Rd
- Boston Mills Road from Black Road to Blue Hen Falls
- Everett Road from Cleveland-Massillon to Revere

Engineering Division

Bridge Section

The Summit County Engineer Bridge Section is responsible for bridge inspections, bridge inventory, coordination of our bridge maintenance program and developing recommendations for rehabilitation or replacement of County bridges. The bridge section also reviews all bridge plans prepared by consultants. Our project inspectors serve a dual role. They inspect our construction work and are ODOT certified bridge inspectors and perform our bridge inspections annually to ensure they remain safe for the traveling public.

RECENTLY COMPLETED BRIDGE PROJECTS

- **Brandywine Road over Brandywine Creek in Northfield Center Township** – Major Rehabilitation Project in 2022, \$1.0M, 3-span steel beam bridge with concrete deck, 160 ft long x 28 ft wide.
- **Corrugated Metal Pipe Culvert-Type Bridges** – Major Rehabilitation by Concrete Field Paving inside the culvert-bridges at five locations (\$348,000 total) in 2022.
 - Forest Run over Branch of Furnace Run in Richfield Township
 - Greenwood Parkway over Branch of Cuyahoga River in Sagamore Township
 - S. Hametown Road over Branch of Hudson Run in City of Norton
 - Knox Boulevard over Pigeon Creek in Copley Township
 - Skelton Road over Little Cuyahoga River in Springfield Township



Brandywine Road Bridge over Brandywine Creek— Deck Pour

ONGOING/UPCOMING BRIDGE CONSTRUCTION

- **Christman Road over Nimisila Reservoir** in City of Green – Total Replacement
Project sold in 2023, \$1.18 M, prestressed concrete box beam bridge with concrete deck, 68 ft long x 45 ft wide. The bridge will have an additional width for anglers on the west side.
- **Granger Road over Yellow Creek** in Bath Township – Total Replacement
Project to sell in 2023, \$1.51 M, prestressed concrete box beam bridge with concrete deck, 87 ft long x 32 ft wide.
- **S. Main St. over Nimisila Reservoir** in Cities of Green & New Franklin – Design/Build Rehabilitation
Project to sell in 2023, \$725,000, new prestressed concrete box beams with concrete deck, 49 ft long x 38 ft wide.
- **Pressler Road over S. Fork Tuscarawas River** in Springfield Township – Total Replacement Project sold in late 2022 / construction 2023, \$930,000, prestressed concrete box beam bridge with concrete deck, 59 ft long x 32 ft wide.
- **N. Revere Road over Revere Run** in Bath Township – Design/Build Total Replacement
Project sold in 2022, construction in 2023, \$584,000, precast concrete box culvert structure, 12 ft span x 8 ft rise x 90 ft long.
- **Steels Corners Road over Mud Brook** in City of Stow – Structure Repairs & Concrete Overlay Project to sell in summer 2023, \$1.1 M, 15-span prestressed concrete box beam bridge, 1,052 ft long x 38 ft wide.
- **Bridge Repair Projects throughout the County in Year 2023:**
 - Bridge railing and approach guardrail replacement at seven locations (\$336,000 total).
 - Bridge deck waterproofing and asphalt overlays at three locations TBD (\$75,000 total).
 - Miscellaneous Bridge Repairs at five locations (\$225,000 total).

Engineering Division Bridge Section

BRIDGE INSPECTION

Summit County Bridges –Completed required annual inspections and inventory updates for SCE bridges based on FHWA / ODOT new inspection policy. This new policy allows inspection of the better condition bridges on a 24-month frequency and the fair to poor condition bridges on a 12-month or less frequency. A consulting engineering firm provided annual inspection and QA/QC services on a total of 64 of the 161 total bridges inspected in calendar Year 2022. In addition, another engineering firm completed an in-depth/weeklong inspection of the N. Main Street High Level Bridge spanning 200 feet above the Cuyahoga River to assess the bridge’s current condition close-up.



Annual Inspection—Wheatley Road Bridge over Riding Run

In 2023, SCE will be inspecting all 281 bridges on the County’s inventory. This will include the use of a Specialized Inspection Vehicle “Snooper” and a bucket truck to gain access to eight bridges for close-up inspections. Summit County trained and certified inspectors will also utilize SCE’s recently purchased drone aircraft to assist in close-up inspections where best needed.

Summit Metro Parks – SCE inspectors completed the inspection of a total of 40 bridges for Summit Metro Parks. Ten of these bridges carry vehicles and are inventoried with ODOT. The remaining 30 bridges carry pedestrian and maintenance vehicles on the many trails and service roads throughout the parks.

Bridge Load Ratings - A consulting engineering firm performed a structural analysis on a total of nine bridges to determine their safe load carrying capacity for current Ohio Legal Load Vehicles and Emergency Vehicles. Results of the Load Ratings determined that two bridges required weight limit restriction signs to be posted. SCE Maintenance Department installed the required signs per FHWA policy. The remaining seven bridges were determined to be capable of safely carrying Ohio Legal Loads and Emergency Vehicles based on their current condition with no restrictions.



Knox Blvd Concrete Field Paving



High Level Bridge Inspection

**Summit County Engineer
Bridge Facts**
281 total bridges
119 in Townships
162 in Cities and Villages

Community Involvement

County Engineer Alan Brubaker and SCE staff attend meetings of numerous committees and organizations that affect roads, bridges, and surface water in the County. Attendance at these meetings enables this Office to communicate the impact of their projects on County facilities, advise them of County projects that may affect their programs, and assist in planning County projects to coordinate with other community programs. Individuals in this office participated in the following committees, organizations, and programs:

Supported Committees & Organizations:

- American Society of Civil Engineers
- American Society of Highway Engineers
- National Society of Professional Surveyors
- Professional Land Surveyors of Ohio
- Association for Bridge Construction and Design
- Institute of Transportation Engineers
- American Public Works Association
- Northern Ohio Service Directors Association
- Watershed Management Association of Ohio
- International Erosion Control Association
- Urban and Regional Information Systems Association
- Municipal Engineer's Association of Northeast Ohio
- Water Pollution Control Federation
- Akron Metropolitan Area Transportation Study, Technical Advisory Committee, Policy Committee, and Citizen Involvement Committee
- County-wide program administrator—National Pollutant Discharge Detection and Elimination System
- Summit County Transportation Improvement District Executive Committee
- Northeast Ohio Four County Regional Planning and Development Organization
- Ohio Public Works Commission—District 8
- Natural Resources Assistance Council—District 8
- Summit County Emergency Management Executive Committee
- Summit County Board of Control
- Summit County Information Technology Board
- County Engineer's Association of Ohio
- Township Association of Summit County
- Joint Safety Committee—Bath, Copley, and Fairlawn
- Community Partnership Program-Economic Development grant program administered by the Summit County Engineer's office to promote economic development related road projects throughout Summit County
- Miniature Bridge Building Competition-SCE and our engineering consulting firms and construction contractor partners run a bridge building competition for Summit County High School students and offer participants scholarships if they go on to major in an engineering field in college
- Summit and Portage County Mayors, Service Directors, and City Managers Regional Group
- An Engineer to Each Township—SCE has assigned an employee to represent each Summit County township. They attend township meetings and facilitate ongoing communication between the County and the townships
- County Commissioners and Engineers Administrative Professionals Association
- Society for Human Resource Management (SHRM)
- Akron Area SHRM
- Greater Akron Public Personnel Professionals
- National Public Employer Labor Relations Association
- Ohio Public Employer Labor Relations Association
- Ohio Government Finance Officers Association
- Association of Government Accountants
- Torchbearers Akron

Engineer Brubaker also finished his term as Treasurer for the International Soap Box Derby in 2019 and sits on the Boy Scouts of America Eagle Scout Recognition Committee.

Engineering Division

Drainage Section

The Drainage Section coordinates requests, reviews, inspects, designs and schedules improvements to ditches, culverts, storm sewers and other drainage-related items for landowners, townships and/or County maintenance. Preliminary studies and improvement plans were prepared for several township and county drainage projects. There were several proposed commercial improvement plans reviewed

2022 Drainage Projects

Bath	Yellow Creek Road Culvert BAT-33-08845	Design completed to replace deteriorating box culvert with an 84" culvert. Culvert to be replaced in 2023.
Boston	Everett Rd Vacation - Phase 1 & 2	Created Stormwater Pollution Prevention Plans for the removal of pavement, drainage structures, and regrading of Everett Road and Oak Hill Road. Obtained NPDES permits from the Ohio EPA. Work being done by County forces.
Copley	Cleveland -Massillon Road Storm Sewer (south of SR 162)	Prepared plans to replace failing storm sewer. The existing storm sewer was found to be deficient from inspection reports created from our cleaning/video inspection program. The storm sewer improvements are being constructed as part of our widening/resurfacing project.
Copley	Hametown Road (Township Section)	Developed plan for replacing existing 30"x48" CMP arch pipe with 36"x60" RCP elliptical pipe. Construction was expected to be completed in 2022, but has been delayed until township secures funding.
Northfield Center	Bayberry Drive Paving and Drainage Improvements	Prepared design/build specifications and a preliminary plan for construction. Project to be constructed in 2023.
Countywide	Storm Sewer Video/Inspection Contract	Countywide program to provide full inspection of inaccessible drainage systems. Inspection and cleaning to be completed for approximately 36,000 feet on seven County Highways in 2023. Program to occur every other year starting in 2023.

2022 Commercial Plan Reviews

Bath Township: I of the Needle on Cleveland-Massillon

Boston Township: Mini-Storage System on Akron-Cleveland and Western Reserve Hospital on Seasons Road

Copley Township: Arby's on Medina Road, Copley Township Parking Lot on Copley Road, Jacoby Road Apartment (traffic study only), MedVet Akron on Centerview Circle, Montrose Ford on Medina Road, Ridge Townhomes on Rothrock Road, Storage King on Mina Avenue and Copley Road, Terra Copley on Heritage Center Drive, and Town Tavern on Monstrose West Avenue

Coventry Township: Gemini Media Group on Portage Lakes Drive

Northfield Center Township: Nordonia Dental on West Aurora Road, Northfield Center Safety Center on Olde Eight Road

Richfield Township: FedEx Expansion on Columbia Road

Sagamore Hills Township: Parkview Senior Living on West Aurora Road/Carter Road

Twinsburg Township: CNG Fueling Station on Enterprise Parkway and Tynes Farm on Darrow Road (traffic study only)

Engineering Division

Surface Water Management District

The Summit County Engineer's Surface Water Management District (SWMD) was created in 2017 to provide a means and revenue source to address storm water runoff issues beyond the roads and bridges. Under the SWMD, residents and businesses are charged a stormwater fee to be used to remediate flooding and erosion issues in their community. Bath Township officials opted in that first year and have been pleased with the results.



Sanctuary of Bath—current detention basin to be expanded in Wye Road Phase 1

Since its inception, the SWMD has taken hundreds of phone calls and responded to dozens of drainage concerns. Some of these may be addressed by a regional project, but many concerns are isolated issues affecting only one property. In these situations, we have provided the landowner with recommendations for grading or drainage improvements that may help. We have also initiated a SWMD Grading Permit program to help maintain water quality in the streams and avoid flow diversions as landowners undertake various grading activities. We also are assisted by the Summit County Soil & Water Conservation District (SSWCD) to provide advice to landowners on topics like erosion and rain gardens.

The first construction project initiated was the Wye Road Flood Mitigation Drainage Improvement, along a tributary to Yellow Creek that has flooded the Ghent area and has caused significant erosion. Phase 1 has been approved for an 80% flood-mitigation grant from the Ohio Emergency Management Agency, the plans are nearing completion and construction is scheduled to start this fall on expanding a SWM basin and adding two swales. Phase 2 will add numerous erosion control measures along the creek and will be funded by the expanded SWMD.

The second construction project is the Idle Brook Bankfull Wetlands, to establish several high-quality wetland cells along the banks of Idle Brook, Yellow Creek, and West Fork. These wetlands will be designed to take water from the creeks during most rainfall events, not just during extreme events as is the current situation. This will provide a more natural environment with enhanced habitat for flora and fauna while also providing a significant increase in the collection and storage of floodwaters, which will reduce flooding and erosion.

The SWMD has been expanded to provide comprehensive stormwater management with a focus on surface water quality in order to address the latest OEPA Stormwater Permit. All townships are now required to be members of the SWMD, and the villages and cities in Summit County are invited to join the SWMD to address their local watershed problems of storm water quality and flooding.

SWMD's background, highlights, news, reports, rules, regulations, forms and more can be found on the internet at: <https://www.summitengineer.net/pages/Surface-Water-Management-District.html>

Assessed Subdivisions



Chenoweth Country Club Estates
Restoration

Owners of lots within most township subdivisions developed since the mid-1980s pay Drainage Maintenance Assessments along with their real estate taxes. This funding pays for work that cannot be paid for by our road and bridge funds. Our maintenance crews perform routine inspection and maintenance of the stormwater management facilities (SWMF) within those assessed subdivisions with known drainage issues. In 2022 Davey Resource Group and Emerald Environmental continued their programs at 72 SWMFs for invasive vegetation control and biomass removal at stormwater management facilities.

Engineering Division

Highway Section

The Highway Section is responsible for highway design, installation and maintenance of traffic control devices such as signs, pavement markings and traffic signal systems/warning flashers. These functions are integral parts of all improvements made to the Summit County highway system. In addition to the section's primary function of preparing plans for roadway improvements, the Highway Section also conducts studies and/or evaluations of roadway traffic, geometrics, physical features and access. The Highway Section determines the need for signage, guardrail, lane assignments/construction, speed limit revisions and other safety capacity improvements. This Section also reviews and coordinates construction projects to ensure that alternate routes for traffic detours are free of major obstructions and available during the construction season.

Design Complete/Ready for Construction

Canton/Sanitarium Roads -- Traffic Signal Upgrade (final design)

Olde Eight/Valley View Roads -- Traffic Signal Analysis

--No additional protected left turn phases are warranted

--Signal timing has been improved

Current Studies

CEAO Safety Studies -- Pavement Marking/Centerline Compliance Study

CEAO Safety Studies -- Canton/Sanitarium Safety Study

CEAO Safety Studies -- S. Main/Warner Road Safety Study

CEAO Safety Studies -- S. Main/N. Turkeyfoot Road Safety Study

CEAO Safety Studies -- Highland Road Corridor Safety Study (Chamberlin to Hadden Roads)

Construction Complete

Medina Line/Granger Roads - Intersection Signage Upgrade

CEAO Safety Studies -- S. Main/Warner Safety Study

CEAO Safety Studies -- Guardrail Compliance Study

CEAO Safety Studies -- Road Hazard Compliance Study

Studies Completed

Allotment Section

The Allotment Section works with developers, engineers, contractors, governmental agencies and the public to regulate the design, construction and acceptance of subdivisions. This section also coordinates inspections under the Engineer's annual stormwater maintenance program. This consists of inspecting detention/retention ponds, catch basins, headwalls and storm sewers in subdivisions throughout the County. When required, corrective measures are taken to update the stormwater facilities to assure that stormwater is appropriately managed in allotments.

2022 SUBDIVISION PLAN REVIEW & CONSTRUCTION INSPECTION

Allega Way and Columbia Road Extension
 Blue Jaye Farm Subdivision
 Estates of Bath Phase IIB
 Heartridge Subdivision
 Hillside Estates Phase 4
 Meadows of Wintergreen Phase 3
 Mottl Reserve
 Picton Parkway
 Preserve at Miller's Farm
 Reserve at North Revere
 Retreat at Liberty Lakes

2022 FINAL PLATS

TOWNSHIP	SUBDIVISIONS	SUBLOTS	ACRES
Bath	2	2	3
Copley	3	5	17
Coventry	2	3	1
Richfield	1	2	1
Springfield	4	4	3
TOTALS	12	16	25

2022 PRELIMINARY PLANS

TOWNSHIP	SUBDIVISIONS	SUBLOTS	ACRES
Springfield	1	70	25
TOTALS	1	70	25

Engineering Division

Construction Section

The Construction Section is responsible for the quality, cost, and timeliness of improvements to the County's highways and bridges. This includes reviewing preliminary plans, acquiring property, relocating utilities, construction inspection, testing construction materials, and completing final construction contract documents.

2022 Construction Projects

<u>Road Projects</u>	<u>Cost</u>
Cleveland-Massillon Rd Resurfacing	\$ 3,371,939.56
Ravenna Rd Resurfacing	\$ 1,142,560.00
Smith Rd Resurfacing	\$ 845,856.64
Highland Rd Resurfacing	\$ 624,715.00
CEAO Guardrail Safety Upgrade	\$ 310,125.00
<u>Bridge Projects</u>	<u>Cost</u>
Miscellaneous Bridge/Culvert Repair	\$ 360,500.00
Brandywine Bridge Improvement	\$ 1,024,574.13
<u>Drainage Projects</u>	
2022 Culvert Repair/Replacement Program	\$ 74,424.00



Brandywine Road Bridge

**Total Value of All Improvements Managed by the Construction Section:
\$15,832,028.73**

The Construction Section manages the Regional Pavement Maintenance Program. We invite all pavement owners in Summit County to join in joint projects for common roadway maintenance work types. The goal is to achieve savings through economy of scale and standardization of specifications.

The individual entities develop their own scopes and provide their own inspection. This office condenses the numerous smaller projects into larger projects and advertises, awards, and administers the projects. In 2022, 11 individual local governments participated. 26 individual projects were combined into nine larger projects worth \$8.85 million.

<u>Regional Pavement Maintenance Program</u>	<u>SCE Cost</u>	<u>Other Cost</u>	<u>Total Cost</u>
405 Motor Paving	\$ 810,468.00	\$ 1,367,875.90	\$ 2,178,343.90
422 Chip Seal	\$ 300,965.40	\$ 574,054.85	\$ 875,020.25
448 North	\$ 1,306,992.00	\$ 1,608,458.62	\$ 2,915,450.62
448 South	\$ 1,147,346.15	\$ 338,542.00	\$ 1,485,888.15
Asphalt Crack Sealing	\$ 107,911.58	\$ 167,947.87	\$ 275,859.45
Asphalt Rejuvenation	\$ 96,380.12	\$ 41,195.00	\$ 137,575.12
Pavement Marking	\$ 211,797.19	\$ 71,823.72	\$ 283,620.91
	\$ 3,981,860.44	\$ 4,169,897.96	\$ 8,151,758.40

Engineering Division

Construction Section

The Construction Section provides assistance as requested by townships and various other municipalities, which may include review of construction documents and plans, preparation of cost estimates and bid documents, inspection of construction activities and contract administration. This Section also performs annual inspection of bridges, culverts and roads. In addition the Construction department administers permits for road openings and closings, special hauling, ditch enclosures, and driveway culverts.



Highland Road Bridge Inspection Photo

Utility Coordination

Existing utilities, private and public, overhead and underground, conflict with almost every construction project. Our Utility Coordinator is responsible to ensure that all conflicts are identified and addressed before construction begins. This entails detailed reviews of preliminary construction plans, visits to the proposed construction site, and constant coordination with representatives of the utility companies. In addition, to coordinating utilities for this office, our Utility Coordinator also performs this work for other government agencies that do not have a Utility Coordinator.

Right-of-Way Acquisition

Many projects require the acquisition of additional property from adjacent landowners. This process is tightly regulated by state and federal requirements.

Our office is highly fortunate to have a dedicated ROW Manager to handle our right-of-way acquisitions. ROW Manager is qualified by the Ohio Department of Transportation to perform all phases of property acquisition (title research, appraisals, appraisal review, negotiations, and closings). In addition, to acquiring property for this office, he has also acquired property for other government agencies that do not have acquisition capabilities.

Construction Management, Inspection, and Materials Testing

Our project coordinators and construction inspectors work with our general contractors to ensure that work is performed in conformance with the contract documents.

Annual Bridge Inspections

The Ohio Revised Code requires that each bridge in Ohio is inspected annually. Our Construction Inspectors are also ODOT qualified Bridge Inspectors and annually verify the material condition of our 281 bridges. Additionally, Summit Metro Parks hires us to manage the inventory and provide annual inspection for 40 of their bridges.

Engineering Division

Survey Section

The Summit County Engineer's (SCE) Survey Section has a survey field crew and survey office personnel working under the direct supervision of a Professional Surveyor, having over 90 years of combined survey experience. Their experience provides a high level of consistency and reliability. The SCE's in-house surveyors provide flexibility for instant response to changes in project priorities.



The SCE performs surveying for internal departments and townships and other local government agencies. They use a Trimble S6 robotic total station and a Ranger data collector with TDS software to collect survey data. They also use a 2016 Nikon Nivo total station with reflectorless technology to serve as backup unit. Computers with Civil 3D/ AutoCAD and specialized survey software are used to process and analyze the field data to create the base mapping for design and field staking purposes. The Survey Section has upgraded to two Spectra 85 dual frequency GPS receivers to establish horizontal and vertical control on jobsites. The receivers can utilize the Ohio Department of Transportation's (ODOT) Continuously Operating Receiver System (CORS)/Virtual Reference System (VRS), which provides real time coordinates having survey accuracy. The Survey Section annually prepares and adheres to an efficient and cost-effective budget.

The Survey Section provided various surveying services including record research, plan review, topographical mapping, field staking, calculations to determine road centerline, right-of-way lines, property lines, and the preparation of legal descriptions for easement acquisitions.

The Survey Section provided:

- Surveying to set survey control or to maintain existing survey pins in survey roadway monument boxes defining the centerline of right of way of 15 county highways during road resurfacing projects.
- Surveying to provide centerline of right of way information and plan review for various projects.
- Surveying to determine centerline of right of way, surrounding topography and provide base mapping for over 6,000 linear feet of roadway. Projects include:
 - Riverview Road Bridge AKR-009-0583, Akron
 - Houghton Road Bridge SAG-166-0053, Sagamore hills
 - Snyder Ave. Bridge BAR-003-0160, Barberton
 - Canton Road Resurfacing, Springfield
 - Yellow Creek Road Culvert 33-08845, Bath
 - Stubbins and Farnham Drainage Area, Richfield
 - Reserve Lake Detention Pond, Bath
 - Sanctuary of Bath Detention Pond
- Surveying projects to determine the centerline or right of way or easements:
 - Valley View Road in Sagamore Hills
 - "A" Street, Springfield
 - Springside and Cleveland Massillon Road, Bath
 - Bay and Ellen Drives, Springfield
 - Canova and Parnell, Coventry
 - Hidden Lake Blvd, Springfield

Engineering Division

Survey Section

The Survey Section provided (continued):

- Boundary Survey of County Property at Boston Station.
- Assistance to the Subdivision Engineer by reviewing proposed major subdivision/replat final plats.
- Review of survey drawings and associated legal descriptions for parcel splits or consolidations to help ensure requirements of state and local standards are met.
- Research assistance to surveyors, engineers, and the public for various public and private projects.



RECORDS ONLINE

The Survey Section maintains a database of geodetic survey monumentation that comprises the foundation of the Summit County GIS Program. There are over 900 survey monuments with accurate horizontal and/or vertical data. The Survey Section continues to inventory these monuments to update information on the data sheets. The Survey Section also maintains a "digital records room" that can be accessed anytime from the internet. Scanned images of surveys, subdivisions and subdivision improvement plans, geodetic monuments, and road records, all from the SCE records archive, are constantly updated and made available through the "FOR SURVEYORS" section on the Summit County Engineer website:

<https://www.summitengineer.net/pages/For-Surveyors.html>

PUBLIC RECORDS ON FILE

- Geodetic control in Summit County used to reference the GIS
- Records for County and Township Roads
- Road improvement plans
- Road Dedication and Vacation Plats
- Summit County survey field notes
- Survey Drawings of Minor Subdivisions
- Records of Summit County Surveys
- State Road Improvement Plans
- Major Subdivision Plats and Improvement Plans in unincorporated areas
- Ditch and Drainage Records
- Summit County Bridge Records
- Cemetery Maps
- Survey Maps of Ohio-Erie Canal

Administration Division

Human Resource Section

The Human Resource functions of the Engineer’s Office are coordinated through our Personnel Administrator and the County Department of Human Resources which reports to the County Executive. The Personnel Administrator assures compliance with all rules and policies established by the County Human Resource Commission, the County Department of Human Resources and any federal, state or county labor laws. The Personnel Administrator also maintains an employee database for all employees of the County Engineer.

In 2022, we had a net decrease of 2 employees. The Engineering division is actively working to fill a surveyor position as well as some inspector positions.

A new set of contracts were negotiated in 2021 for all 3 bargaining units. Bargaining unit employees make up over 68% of our total workforce. Heavy Equipment Operators (3 employees) are represented by the International Union of Operating Engineers (IUOE). The remaining bargaining are represented by 2 units of AFSCME. The Clerical and Technical unit includes employees from the Administration and Engineering divisions (9 employees). The Maintenance division employees (except the Heavy Equipment Operators) are included in ASFCME’s Service and Maintenance unit (55 employees).

Employees by Employment Status		
	2021	2022
Bargaining	66	67
Non-Bargaining	22	18
Unclassified	12	13
Total	100	98

Employees by Division		
	2021	2022
Maintenance	64	65
Engineering	28	26
Administration	8	7
Total	100	98

Finance Section

Operating Expenditures

Total operating expenditures decreased by about 3.75% in 2022. Personnel accounted for approximately 75% of total operating costs. Our office is essentially debt free as of the end of 2022. The only remaining debt service is due to our office's portion of general fund debt for the county's radio upgrade project which will be paid off in 2024.

Operating Expenditures	2021	2022
Personnel	\$9,119,844	\$9,012,151
Operations	\$3,010,920	\$2,749,040
Debt Service	\$303,463	\$5,951
Total	\$12,434,227	\$11,965,142

Capital Improvement Program

Our capital program expenditures increased significantly. In 2022, we spent over \$11.6 million in local funds compared to approximately \$8 million in 2021. We were able to pay for this increase primarily due to fund balance increases during the COVID pandemic and a corresponding reduction in our capital expenses in 2020. We expect the level of capital expenditures will return to historic levels in 2023 and beyond.

Revenue

Total revenue from all sources (including non-tax revenue) increased approximately 7.5% for 2022. However, reimbursements from capital projects increased significantly and ended up being the driving force behind the increased revenue. Tax revenue was essentially flat yielding a meager increase of less than 1%.

Tax Revenue		
	2021	2022
License Taxes	\$15,872,209	\$16,095,777
Gasoline Tax	\$3,739,694	\$3,636,628
Total	\$19,611,903	\$19,732,405

Current and Upcoming Projects

ACTIVE Bridge Projects (Projects with bid openings prior to March 31, 2023)

- **Cuyahoga Valley National Park Pedestrian Bridge:** This \$1.4 million project is under construction and a new pre-fabricated pedestrian bridge over the Cuyahoga River will be installed about 200 feet south of Boston Mills Road. The design and construction are 100% federally funded with Black Horse Construction as the contractor. The project will be opened to pedestrian traffic by mid-June of 2023. Boston Township
- **North Revere Road Bridge over Revere Run:** This \$583K project will replace the corrugated pipe bridge built in 1965 with a precast box culvert. Kenmore Construction will be completing this project in October of 2023. Bath Township
- **Pressler Road Bridge:** This project includes the replacement of the existing two span, continuous concrete slab bridge (Structure No. SPR-137-0002) carrying Pressler Road over the South Fork of Tuscarawas River at the Myersville Road intersection. The project has been awarded to Black Horse Construction and will be completed summer 2023. Springfield Township
- **Christman Road Bridge:** This project includes the replacement of the existing concrete beam bridge carrying Christman Road over the Nimisila Reservoir near the Comet Road intersection. The \$1.2 million project has been awarded to CATTs Construction and will start construction in the spring of 2023. 50% of the local share is funded by the City of Green.
- **South Main Street Bridge Project:** Located 500 feet north of the intersection of S. Main Street and Comet Road on the border between New Franklin and Green, this project will rehabilitate the existing bridge by removing the roadway surface and the concrete box beams supporting the roadway and replace the deteriorated concrete boxes and resurfacing the roadway. All remaining supporting members will be salvaged. Bids for this project are scheduled to be opened on 4/24/23. The cost of this rehabilitation is approximately \$725K and is funded with Bipartisan Infrastructure Law (BIL) a.k.a. the Infrastructure Investment and Jobs Act (IIJA). This project will start construction in the spring of 2023. Cities of Green and New Franklin

PENDING Bridge Projects

- **Granger Road Bridge:** This project includes the replacement of the existing box beam bridge carrying Granger Road over Yellow Creek approximately 0.70 miles west of Cleveland Massillon Road. The project has been awarded to a contractor and will start construction as soon as Dominion East Ohio Gas relocates an existing service line. The project will be completed in 2023. Bath Township
- **Steels Corner Road Bridge Rehabilitation Project:** This \$1.13 million project will repair and resurface this 1,052 foot long bridge at the western edge of Stow. The plan calls for the removal and replacement of the wearing surface, waterproofing and patching the bridge deck/top of beams, new expansion joints, repairs to the parapets encasing the piling and other miscellaneous work. To facilitate the work, the east bound traffic will be re-routed, and west bound traffic will be maintained. Work will take about 5 months to complete. City of Stow

Current and Upcoming Projects

PENDING Bridge Projects (Con't)

· **Ira Road Bridge Project:** Located about $\frac{3}{4}$ mile east of Hametown Road, this project will replace the three side-by-side-by-side metal culvert pipes with a single 4 sided concrete box culvert approximately 18' wide x 6' high. The cost of this replacement culvert is approximately \$684K and is funded with Bipartisan Infrastructure Law (BIL) a.k.a. the Infrastructure Investment and Jobs Act (IIJA). This project will start construction in the spring of 2024. Bath Township

· **Snyder Avenue Bridge Project:** Located in the City of Barberton at the Tuscarawas River, this project will replace the existing 61-foot long bridge that was originally built in 1920 and previously rehabilitated in 1963. The cost of this replacement bridge is approximately \$1.736 million and is funded with Bipartisan Infrastructure Law (BIL) a.k.a. the Infrastructure Investment and Jobs Act (IIJA). This project will start construction in the spring of 2024. City of Barberton

· **Brecksville Road Bridge over Furnace Run:** Located on Brecksville Road, north of Townsend Road and south of the I-77 interchange, this project will replace the existing, 91-year-old bridge over Furnace Run with an arch-type concrete structure. This project will be under construction in 2024. Village of Richfield

ACTIVE Roadway Projects

· **Cleveland-Massillon Road Parts 1 & 2:** Started in 2022 this \$3.372 million project will repair and resurface approximately 3.32 miles of Cleveland-Massillon Road from Norton to Ridgewood Road. The plan calls for the addition of four-foot-wide shoulders where possible including widening the shoulder area between the rock walls south of the Barberton Reservoir. The project was awarded to Kenmore Construction and will be completed summer 2023. Copley Township

· **White Pond Drive Resurfacing Project:** This \$1.32 million project will repair and resurface approximately 0.9 miles of White Pond Drive, from Copley Road to the City of Akron limit. The plan calls for the addition of four-foot-wide shoulders where possible to increase cyclist and pedestrian safety. The project was awarded to Karvo Construction and will be built in 2023. Copley Township

· **Olde 8 Resurfacing:** Olde Eight Road from the border of Boston Heights to the southern Highland Road intersection is currently under construction and will be completed by late summer. SCE received \$700,000 federal Surface Transportation Block Grant funding for this Project that was bid at nearly \$1,380,000. This same project will install north bound and south bound left turn lanes on Olde Eight Road at the Twinsburg Road intersection. Northfield Center Township

· **Akron-Cleveland Road:** This project will repair and resurface approximately 1.55 miles of Akron-Cleveland Road from near the Wyoga Lake Road intersection to the Village of Boston Heights corporation limits. The plan calls for the addition of four-foot-wide shoulders where possible to increase cyclist and pedestrian safety. The \$1.45 million project is under construction and will be completed in the summer of 2023. Boston Township

Current and Upcoming Projects

ACTIVE Roadway Projects (Con't)

- **Cleveland-Massillon Road:** This project extends from Ridgewood Road (east intersection) in Copley Township to near I-77 and from Springside Drive to near the Ghent Road intersection. This is a City of Fairlawn prepared project in which the County is paying 63% of the local share. This nearly 1.4 mile road project will complete improvements along C-M Road from the north edge of Norton to Ghent Road. The \$1.2 million project is under construction and will be completed late in 2023. Copley Township, City of Fairlawn, Bath Township
- **Valley View Road:** This project will repair and resurface approximately 0.52 miles of Valley View Road starting west of the intersection with Olde 8 Road and ending at State Route 8. The plan calls for the addition of four-foot-wide shoulders where possible to increase cyclist and pedestrian safety. The estimated \$810K project has a bid opening date of 4/17/23 and will be under construction summer 2023. Northfield Center Township

PENDING Roadway Projects

- **Canton Road Resurfacing:** This resurfacing project, estimated at \$956K, will repair and resurface approximately 0.75 miles of Canton Road from Pontius Road to Tisen Road. The project is scheduled to be advertised at the end of the year with work being completed in 2024. Springfield Township
- **Albrecht Avenue Resurfacing:** This resurfacing project, estimated at \$1.16 million, will repair and resurface approximately 0.75 miles of Albrecht Avenue from the City of Akron corporation line (east of Stull Avenue) to Cleveland Avenue (State Route 532) in Mogadore. The project is under design and is scheduled for construction in 2027, however AMATS (our funding partner) is asking us to expedite the project in case one of the other jobs they are funding fails to meet their completion date. Springfield Township & Village of Mogadore
- **Ravenna Road Part 2 Resurfacing:** This resurfacing project, estimated at \$1.02 million, will repair and resurface approximately 1.38 miles of Ravenna Road from Old Mill Road to the Portage County Line. The project is scheduled for construction in 2025, however we can expedite the project to an earlier start date in case one of the other jobs on the AMATS list fails to meet their completion date. Twinsburg Township & City of Hudson
- **South Main Street Resurfacing:** This resurfacing project, estimated at \$1.255 million, will repair and resurface approximately 1.55 miles of South Main Street from the City of Green north Corporation Limit to Warner Road. The project is under design and is scheduled for construction in 2027, however AMATS (our funding partner) is asking us to expedite the project in case one of the other jobs they are funding fails to meet their completion date. Coventry Township

Current and Upcoming Projects

PENDING Roadway Projects (Con't)

- **Swartz Road:** This project will repair and resurface approximately 0.65 miles of Swartz Road Akron Cleveland Road from the South Main Street intersection to the City of Akron corporation limit about 500 feet east of Glenmount Avenue. The plan calls for the addition of wider shoulders where possible to increase cyclist and pedestrian safety. Bids for this \$1.1 million project are due to be opened on April 17, 2023 and will be completed in the fall of 2023. Coventry Township
- **Valley View Road Slide:** This project will repair an existing landslide and resurface approximately 2 miles of Valley View Road from the Cuyahoga County Line to Dunham Road. The plan calls for the addition of four-foot-wide shoulders where possible to increase cyclist and pedestrian safety. This \$3 million project is scheduled to be under construction in 2026. Sagamore Hills Township
- **Valley View Road Gap:** This project will repair and resurface approximately 1.45 miles of Valley View Road from just west of Olde Eight Road to Dunham Road. The plan will call for the addition of wider shoulders where possible to increase cyclist and pedestrian safety. The project, estimated at \$1.25 million, is under design and is scheduled for construction in 2027, however AMATS (our funding partner) is asking us to expedite the project in case one of the other jobs they are funding fails to meet their completion date. Sagamore Hills Township & Northfield Center Township
- **Cleveland-Massillon Road Sidewalk:** This project will construct a new sidewalk on the west side of Cleveland-Massillon Road from State Route 18 (Medina Road) to the north side of the Springside Drive intersection, approximately 0.45 miles. The estimated cost for this project is \$650K with the Transportation Alternative Set Aside program providing \$463K and Bath Township providing the rest of the funding. There are no County Engineer funds in this project. Bath Township

PROPOSED Bridge Project

High Level Bridge: Replace the existing structure with an all-new structure that would be on an offset alignment to allow the existing structure to carry traffic while the new structure is built. There would be minimal disruption to traffic during construction. Additional right of way would be needed to construct the new structure. The new structure would carry four lanes of traffic and two sidewalks.



Summit County's High Level Bridge

Alan Brubaker, P.E., P.S. Summit County Engineer

**Main Office
538 E. South Street
Akron, Ohio 44311
Phone: (330) 643-2860
Fax: (330) 762-7829**

For more information on projects of the Summit County Engineer's Office please contact us or check our website:

www.summitengineer.net

Pothole Season

Summit County Public Services Department is open Monday - Friday 7:30 a.m. – 4:00 p.m. for reporting any potential problems or concerns affecting the roadways throughout the County.

We also have a 24/7 reporting system to gather information reports of roadway problems. To report a pothole or roadway defect call 330-643-2860.

Surface Water Management Program

Phone: (330) 643-8010

Email: SWMD@summitengineer.net

Web: www.summitengineer.net/services/surface-water-management



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