

 Summit County Engineer

ANNUAL REPORT

Serving Summit County's Residents



www.summitengineer.net

2024

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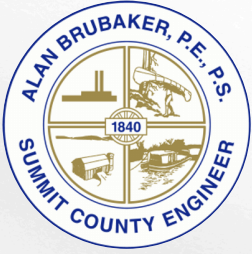
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OUR MISSION



Summit County Engineer's Most Expensive Bridge, The High Level Bridge

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.



Alan Brubaker, P.E., P.S.

Summit County Engineer

April 15, 2025

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

Dear Members of Summit County Council,

In accordance with Ohio Revised Code Section 5543.02, I am pleased to submit the Summit County Engineer's Annual Report for the year 2024. This report outlines the activities and achievements of our office over the past year, including key infrastructure improvements and ongoing maintenance efforts. We remain committed to working closely with townships, cities, and villages to enhance and modernize the county's transportation network.

Funding for our operations continues to come primarily from license and gasoline taxes. In 2024, overall revenue trends remained a challenge, with fluctuations in funding sources requiring us to prioritize critical projects. License tax revenue decreased 1.5% in 2024, but we were able to have a robust capital in 2024 by leveraging carryover and federal funding wherever possible. While this is impressive for the year, we are planning for a shrinking capital program from 2025-2030 due to declining revenue, as evidenced by the Revenue Report provided to County Council in November 2024.

2024 was our sixteenth year and 5th term in office and it was another busy one. Despite the financial challenges our office faces, 2024 was another productive year. Our office invested over \$11 million on capital projects, complemented by other funding. The Bipartisan Infrastructure Law has continued to be a valuable resource, allowing us to advance several key bridge projects with substantial federal support. Strategic partnerships and careful planning have enabled us to maximize funding opportunities and maintain a high level of service to Summit County residents.

This report provides a detailed overview of our efforts in 2024 and our outlook for the coming year. Should you have any questions or require additional information, please feel free to 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 storm water 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 storm water 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.



The Summit County Bridge Crew has a combined 95 years of experience!

Your Summit County Engineer Office maintains:

- Over 360 lane miles of roads - in all seasons
- 280 bridges throughout the County
- Over 1200 culverts
- Hundreds of miles of road right-of-way and roadside ditches
- Regional storm water 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 or visit us online at www.summitengineer.net.

Here's some of the resources available online:

- 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
- SWMD Drainage Concern Forms
- Permit Application Forms

COMMUNITY INVOLVMENT

County Engineer Alan Brubaker and SCE staff actively participate in various committees and organizations that influence roads, bridges, and surface water management in the County. Engaging in these meetings allows our office to communicate the impact of external projects on County infrastructure, provide updates on County initiatives that may affect other programs, and ensure coordinated planning efforts. Our team contributed to the following committees, organizations, and programs:

- 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
- Permit Holder for all townships, Lakemore, and Reminderville—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

COMMUNITY INVOLVMENT

Continued

- Miniature Bridge Building Competition
- Summit and Portage County Mayors, Service Directors, and City Managers Regional Group
- 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
- Springfield Lake Taskforce
- Portage Lakes Technical Advisory Comitee
- Muskingum Watershed Conservancy District (MWCD)
- NEORS D Watershed Advisory Committee
- ERTAC (Environmental Resource Technical Advisory Committee)



The Summit County Engineer's Office made their annual Adopt-A-Family program contribution partnering with Summit County Children Services (SCCS), which matches donors with children and families in need.

NOTABLE EVENTS

High Level Bridge Replacement Funding

The Summit County Engineer's Office has secured a total of \$9.1 million to support the design and planning of the replacement for the N. Main Street Bridge over the Cuyahoga River, commonly known as the High Level Bridge.

In February, the County was awarded \$5 million through the Local Major Bridge Program, followed by an additional \$4.1 million in March through the Consolidated Appropriations Act, 2024. These funds move the project closer to securing additional discretionary grants to fully finance the estimated \$70 million cost. The existing 76-year-old structure serves as a crucial link between Akron and Cuyahoga Falls and is set to be replaced, with construction targeted for 2030.

The Engineer's Office extends its appreciation to Congresswoman Sykes, Senator Brown, Congressman Joyce, former Senator Rob Portman, Summit County Executive Ilene Shapiro, Summit County Council, the cities of Akron and Cuyahoga Falls, the Ohio Department of Transportation, and other key partners for their advocacy.



Congresswoman Emilia Sykes, Mayor of Akron Shammias Malik, Mayor of Cuyahoga Falls Don Walters, Summit County Engineer Alan Brubaker, P.E., P.S., and Summit County Executive Ilene Shapiro

NOTABLE EVENTS

New Funding for the “Missing Link”

The Summit County Engineer’s Office has secured \$5.9 million in federal highway funding for improvements to South Main Street in Coventry Township. The project will address the long-awaited “Missing Link” between Portage Lakes Drive and North Turkeyfoot Road.

Planned for construction in 2030, the project will reconstruct the roadway, replace the bridge near Vaughn Road, update drainage facilities, and install a new sidewalk to improve pedestrian access. Additionally, the existing traffic signal at Warner Road will be reconstructed with pedestrian signals and push-button controls to enhance connectivity.

This funding ensures that the long-overdue improvements to this critical corridor will finally move forward, enhancing accessibility and safety for both drivers and pedestrians.

Infrastructure Grants

Summit County Engineer Alan Brubaker, P.E., P.S., has announced the successful acquisition of more than \$21 million in grant funding for nine infrastructure projects across Summit County. This represents the most successful grant period in at least 15 years and will provide essential funding for road and bridge improvements.

The secured grants, totaling \$21,304,836.40, will support major infrastructure projects, including:

- High Level Bridge Design Phases 1 & 2 – \$9,110,000 (Akron/Cuyahoga Falls)
- Killian/Pickle Roundabout – \$1,750,000 (Springfield Township)
- Krumroy Road Parts 1-3 – \$2,040,000 (Springfield Township)
- S. Main St. Improvements – \$5,600,000 (Coventry Township)
- Glenwood Drive Bridge – \$2,602,160 (Twinsburg Township)
- Liberty Road South & North – \$202,676.40 (Twinsburg)

These grants will cover approximately 90% of the \$23.6 million in estimated project costs, saving local taxpayers millions. The Engineer’s Office thanks key partners, including Senator Sherrod Brown, Congresswoman Emilia Sykes, Summit County Executive Ilene Shapiro, Summit County Council, and local municipalities for their support.

Flashing Bike Reflectors to Safety Town Programs

The Summit County Engineer’s Office has distributed 3,000 flashing bike reflectors to Safety Town programs across the county to promote road safety education for children.

NOTABLE EVENTS

Flashing Bike Reflectors to Safety Town Programs (Continued)

Safety Town is a multi-day summer program designed for incoming kindergarteners, providing hands-on instruction on bicycle safety, fire safety, school bus safety, and emergency preparedness. Each participating child will receive a flashing bike reflector to encourage visibility and safe biking habits. Municipalities receiving reflectors include Akron, Barberton, Cuyahoga Falls, Copley, Coventry, Fairlawn, Green, Munroe Falls, New Franklin, Nardon, Revere, Stow, Tallmadge, and the Summit County Sheriff's Office. This initiative aims to instill lifelong safe habits for pedestrians and cyclists.



SCE employees Jerimiah Stonestreet and Jamie Lee reported the suspicious package

Bridge Crew Reports

Suspicious Package

In August, two members of the Summit County Engineer's Office Bridge Crew discovered a suspicious package under the I-76/I-77 overpass in Akron. They immediately reported it to authorities, prompting a temporary road closure while the Akron Police, Fire, and Bomb Squad responded to ensure public safety.

The quick actions of the bridge crew exemplify their dedication to the community, not only through infrastructure maintenance but also in safeguarding public spaces. Their vigilance helped prevent a potential threat and reinforced the importance of proactive safety measures in Summit County.

NOTABLE EVENTS

Holiday Giving Initiatives

The Summit County Engineer's Office participated in two charitable initiatives in December to support local families and children during the holiday season.

Through the Adopt-A-Family program with Summit County Children Services, staff provided gifts to local children and families in need. Additionally, employees collected nearly two pounds of aluminum pop tabs for Ronald McDonald House Charities of Northeast Ohio, supporting families staying at the Akron Ronald McDonald House.

These efforts reflect the office's commitment to giving back to the community and making a meaningful difference in the lives of Summit County residents.



Summit County Engineer Alan Brubaker, P.E., P.S. pictured with his family at his swearing in ceremony

Alan Brubaker Sworn in for Another Term

On December 27, 2024, Alan Brubaker, P.E., P.S., was sworn in for another term as Summit County Engineer. Surrounded by family and staff, Brubaker reaffirmed his commitment to serving Summit County and continuing his leadership in infrastructure development.

Since taking office in 2009, Brubaker has overseen the design, construction, and maintenance of county roads, bridges, and drainage systems. Under his leadership, the Summit County Engineer's Office has successfully secured funding for vital infrastructure projects, ensuring a safe and efficient transportation network for residents.

PUBLIC SERVICES DIVISION

The Public Services Division is responsible for maintaining over 360 lane miles of county roadway, 280 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, 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.



Riverview Rd emergency repair finished work

In 2024 a total of 907 requests for service were received and completed throughout the County for ditching, berm cutting, pothole repairs, tree trimming, weed control, and asphalt patching.

PUBLIC SERVICES DIVISION

Our North District performed crossover replacements and upgrades on Akron Peninsula Rd, Old Mill Rd, Dunham Rd, Columbia Rd, Townsend Rd, Highland Rd, Northampton Rd, Ravenna Rd, Revere Rd, and Medina Line Rd. Our North District stepped up to help with upcoming construction projects by performing tree removal.

Our South District basin repairs on Hametown Rd, Cleveland Massillon Rd, Minor Rd, and Arlington Rd along with completing road side drainage repairs on Cleveland Massillon Rd. and Cormany Rd. They also installed a new gate at our office.

Our Ditch Crew performed sediment removal on Riverview Rd, Hametown Rd, Hudson Dr, and Arlington Rd. Scour repairs were completed on Riverview Rd, Yellow Creek Rd, Martin Rd, Bath Rd, and Hudson Aurora Rd. They also completed Erosion Repair at Hopocan. The Ditch Crew had a very busy 2024 assisting in every single in-house bridge repair project that was completed.

In addition to the above specific projects, guardrail repairs, signage installation, mailbox repairs, bridge repairs, roadside ditching, culvert cleaning, berm cutting, pavement repairs, tree trimming, lane striping, and weed control were also performed throughout Summit County by the North and South District.



Equipment Purchases

<u>Item:</u>	<u>Cost:</u>
(1) Ford F150 4X2 Pickup Truck	\$39,358.88
(3) Ford F150 4X4 Pickup Trucks	\$128,495.64
(1) Ford F550 Ariel Bucket Truck	\$219,195.00
(2) Kubota Skid Steers	\$112,583.42
(2) Kenworth Tandem Dump Truck	\$413,374.00
(1) Kubota Grout Pump	\$39,687.94

Material Usage

	2020	2021	2022	2023	2024
Salt (In Tons)	7,250	8,350	9,387	4,848	6,034
Stone (In Tons)	2,000	2,400	2,700	1,095	2,900
Asphalt (In Tons)	1,300	1,500	1,900	556	2,100
Culvert Pipe (In Feet)	560	400	380	580	450

PUBLIC SERVICES DIVISION

BRIDGE SECTION

Our bridge crew has been hard at work sandblasting, forming, and pouring concrete to restore deteriorating parapet walls, wing walls, and other critical bridge components that support the flow of commerce. The highlighted projects below showcase their efforts in 2024.

Bridge Maintenance Completed:

- **Riverview Road over Branch Cuyahoga River** in Boston Township – built a reinforced concrete slab to bridge over the heavily deteriorated slab bridge, built in 1928.
- **N. Main Street Bridge “High Level” over the Cuyahoga River** in Akron - Semi-annual bridge maintenance & cleaning, deck surface repairs, and miscellaneous structure repairs.
- **Holzhauser Rd** in Sagamore Hills - Completed Guniting repair along with footer repair.
- **Riverview Rd** in Boston Twp- Completed Guniting repairs on abutment walls and deck.
- **Ravenna -Old Mill Rd over Tinkers Creek** in Twinsburg Township - Completed wingwall and joint repairs.
- **Hudson Dr over Powers Brook** in Stow - Completed Guniting repairs.
- **Glenmount Ave over Holy Cross Cemetery Inlet** in Akron - Repaired bridge deck with concrete patching.
- **Yellow Creek over Yellow Creek** in Bath - Completed Guniting repairs on box beam and footers.
- **Wooster Rd over Wolf Creek** in Barberton - Installed grout blanket to stabilize shoring
- **Hametown Rd over Hudson Run** in Bath - Completed Guniting repairs on box beam and deck.



Riverview Rd Bridge (AKR 09-0369)

Upcoming Bridge Maintenance :

- **Graybill Road over Hickman Ditch** in Green – Repair of heavily corroded CMP and miscellaneous other repairs.
- **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.
- **Shaw Rd over Branch Yellow Creek** in Bath Township – Repair deck / seal construction joint to prevent deterioration down below.
- **Various Bridges throughout County** – Bridge railing, approach, guardrail repairs and replacement, foundation repairs, stream erosion repairs tree trimming, and other misc. structure repairs.

ENGINEERING DIVISION

The Engineering Division is active in the development of plans for highway, drainage, 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.

Federally Funded Resurfacing Projects:

SCE received federal Surface Transportation Block Grant funds for the following work that was bid out and/or constructed in 2024:

- **Revere Rd.** - From Yellow Creek Rd. To Shade Rd.
- **Canton Rd.** - From Pontius Rd. to Tisen Rd.

Federally Funded Bridge Projects:

- **Granger Rd. bridge over Yellow Creek** - The single span 65 foot long, 24 foot wide bridge was replaced with a 87 foot long, 32 foot wide, concrete structure for vehicular traffic with wider shoulders.
- **Ira Rd. bridge over North Fork** - The existing culvert was removed and replaced with a precast concrete box culvert.
- **Steels Corner Rd Repair over Mud Run** - The current structured was repaired by replacing the bridge expansion joints, overlay the bridge deck with concrete, replace approach guardrail, and miscellaneous other repairs.



Granger Rd. bridge over Yellow Creek before replacement



Ira Rd. Bridge over North Fork before replacement

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 2024, 12 individual local governments participated in our bidding program where 30 individual projects were combined into nine larger projects worth \$7.67 Million. Below are some of the county-owned roads included in this year's pavement maintenance program.

405 (Motor Paving)

- Truxell Rd from Akron Peninsula to Kendall Park
- Everett Rd from Everett Rd Extension to Riverview Rd
- Ira Rd from 3454 Ira Rd to Glengary Rd
- Eastern Rd from Barberton Corp. line to SR 619

422 (Chip Seal)

- Boston Mills Rd from Hines Hills Rd to Riverview Rd
- Boston Mills Rd from Black Rd to Blue Hen Falls
- Ira Rd from Glengary Rd to Oak Hill Rd
- Krumroy Rd from Pressler Rd to Myersville Rd

441 (Hot Mix Asphalt)

- Revere Rd from Yellow Creek Rd to Shade Rd
- Ghent Rd from West Point Dr to 500' South of Cleveland Massillon Rd
- Olde 8 Rd (North and Southbound lane only)
- Jacoby Rd from SR 162 to Ridgewood Rd
- State St from New Franklin Corp. line to SR 93
- Robinson Ave from SR 93 to Cormany Rd
- Swartz Rd from Gregg Dr to Arlington Rd
- S. Main St from Warner Rd to Vaughn Trail (Southbound Only)

Asphalt Rejuvenation

- Bath Rd from Hametown Rd to Allard Dr
- Revere Rd from Fairlawn corp. line to Sourek Rd
- Revere Rd from Everett Rd to Wheatley Rd
- Jacoby Rd from Wright Rd to SR
- Mayfair Rd from Green corp. line to SR 241
- Swartz Rd from S. Main St to Penguin Rd
- White Pond from SR 162 to Akron Corp line
- Cleveland Massillon Rd from Norton Rd to Ridgewood Rd

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

- Granger Road over Yellow Creek in Bath Township – Total Replacement - The project low bid is \$1,565,000. The new bridge is a composite prestressed concrete box beam superstructure with a concrete deck, 87 ft long x 32 ft wide.
- N. Revere Road over Revere Run in Bath Township – Design/Build Total Replacement - The project sold in 2022, built in 2024, low bid \$584,000. The new bridge is a precast concrete box culvert structure, 12 ft span x 8 ft rise x 90 ft long which replaced a heavily deteriorated CMP which was in serious condition.
- Ira Rd over N. Fork of Yellow Creek in Bath Township – Total Replacement - Low bid \$475,000 built in 2024 with precast concrete box culvert structure, 18 ft span x 6 ft rise x 39 ft long.
- Steels Corners Road over Mud Brook in City of Stow – Structure Repairs & Concrete Overlay - Project sold in spring 2024, low bid was \$1,050,000, 15-span prestressed concrete box beam bridge, 1,052 ft long x 34 ft wide.
- Miscellaneous Bridge Repairs at five locations (\$459,000 total). - Memorial Parkway over Little Cuyahoga River, W. North St. over Ohio Canal, NB Portage Path over Cuyahoga River, SB Portage Path over Cuyahoga River, and Front St. over Cuyahoga River.

Ongoing/ Upcoming Bridge Projects

- Mt. Pleasant Road over Nimilisa Creek in Green – Design/Build Bridge Rehabilitation - Project, low bid \$738,000. The rehabilitated bridge is a composite prestressed concrete box beam superstructure with a concrete deck, 65 ft long x 40 ft wide.



N. Revere Road over Revere Run (BAT-114-0320)

ENGINEERING DIVISION

BRIDGE SECTION

Bridge Inspections

Summit County Bridges: Completed required annual inspections and inventory updates for 95 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 46 of the 280 total bridges inspected in calendar Year 2024. In addition, another engineering firm completed a four-day fracture critical / in-depth 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. Summit County trained and certified inspectors will also utilize SCE's recently purchased Drone aircraft to assist with close-up inspections where best needed.

Summit Metro Parks – SCE inspectors completed the inspection of a total of 40 bridges for Summit Metro Parks. Nine of these bridges carry vehicular bridges and are inventoried with ODOT. The remaining 31 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 29 bridges to determine their safe load carrying capacity for current Ohio Legal Load Vehicles and Emergency Vehicles. Results of the Load Ratings determined that Yellow Creek Road bridge required Weight Limit Restrictions Signs were posted. The Department installed the required signs per FHWA policy. The remaining bridges were determined to be capable of safely carrying Ohio Legal Loads and Emergency Vehicles based on their current condition with no restrictions.



The new Granger Road bridge over Yellow Creek (BAT-079-0221)

ENGINEERING DIVISION

DRAINAGE SECTION

The Drainage Section manages requests, reviews, inspections, designs, and scheduling of improvements for ditches, culverts, storm sewers, and other drainage-related infrastructure serving landowners, townships, and county maintenance needs. Preliminary studies and improvement plans were developed for multiple township and county drainage projects. Additionally, the section reviewed several proposed commercial development plans within the townships, as well as conducted drainage studies and storm sewer replacement projects.

2024 Drainage Projects

Boston

Akron-Peninsula Road Culvert BOS-10-30984

Design completed in-house to replace deteriorating 24" CMP culvert with a 30" HDPE culvert. Permits need to be obtained from CVNP. Culvert to be replaced under 2026 Culvert Contract.

Copley

Schocalog Road Culvert COP-77-01284

Design completed in-house to replace deteriorating 24" CMP culvert with a 36" HDPE culvert. Culvert to be replaced by SCE forces in 2025.

Richfield

Medina Line Road Culvert RFT-02-82686

Design completed in-house to replace deteriorating variable-sized culvert with a 36" HDPE culvert. Two easements need to be obtained. Culvert to be replaced under 2026 Culvert Contract.

Richfield

Medina Line Road Culvert RFT-02-91870

Design completed in-house to rehab 87"x66" CMP arch culvert by field paving. Rehab to be performed under 2025 Culvert Contract.

Sagamore Hills

S Boyden Road Culvert SAG-164-02996

Design completed in-house to replace deteriorating 36" CMP culvert with 19"x32" elliptical RCP culvert. Culvert to be replaced under 2025 Culvert Contract.

Springfield

Krumroy Road Culvert SPR-130-15341

Design completed in-house to replace deteriorating, undersized 12" CMP culvert with a 30" HDPE culvert. Culvert to be replaced in 2025 by SCE forces with cooperation of the Village of Lakemore.

Springfield

Myersville Road Culvert SPR-184-09108

Design completed in-house to rehab 54" CMP culvert by field paving. Rehab to be performed under 2025 Culvert Contract.

County Wide

Storm Sewer Video/Inspection Contract

Countywide program to provide full inspection of inaccessible drainage systems. Inspection and cleaning completed for approximately 36,000 feet on seven County Highways in 2023. A new contracted is expected for 2026.

ENGINEERING DIVISION

DRAINAGE SECTION

2024 Commercial Plan Reviews

Bath	Eccentricity Roastery - 1904 N Cleveland-Massillon Road Petitti Garden Center - 395 Springside Drive
Boston	Akron-Cleveland Road Outdoor Storage - 5772 Akron-Cleveland Road Direct Air - 5650 Akron-Cleveland Road Napa 487 Winery - 4967 Akron-Cleveland Road Stanford Road Trailhead & Parking - Cuyahoga Valley National Park Storage Rentals of America - 5352 Akron-Cleveland Road
Copley	Chick-fil-A Access Improvements - 47 Flight Memorial Drive Copley MS Athletic Fields - 1531 S Cleveland-Massillon Road Crusade Baptist Church Addition - 2982 Copley Road Graves Lumber Unenclosed Shed - 1315 S Cleveland-Massillon Road Ohio Dent Pro - 70 S Cleveland Massillon Road Primrose School - 4131 Heritage Center Drive Storage King - 1252 Mina Avenue/3285 Copley Road
Coventry	AA Maintenance - 1684 S Arlington Road Akron Joint Apprenticeship & Training Committee (JATC) Building Addition - 2650 S Main St. Dairy Queen - 3040 Manchester Road
Northfield Center	Nick's Property Management - 255 E Twinsburg Road Oravec Design Build - 219 W Aurora Road
Sagamore Hills	Frese Residential Stepdown Facility (Summit ADM) - 1856 Sagamore Road
Springfield	Aldi - 2981 S Arlington Road Amazon Delivery Station - Picton Parkway Killian Contractor Suites Phase 1 - 1008 Killian Road Picton Freezer (Hillandale Farm) - Picton Parkway Stark State CDL Addition - 2270 Picton Parkway
Twinsburg	Atlas Steel - 7990 Bavaria Road IFS HPP - 1550 Enterprise Parkway
County Wide	Reviewed and approved 89 Topographic Site Plans for New Home Construction Reviewed 3 Topographic Site Plans for New Home Construction on lots exceeding 1 acre disturbance. These sites require Long-Term Maintenance Agreements and coordination with Summit SWCD.

ENGINEERING DIVISION

HIGHWAY SECTION

The Highway Section oversees the design, installation, and maintenance of traffic control devices, including signs, pavement markings, traffic signals, and warning flashers. These functions are essential to all improvements within the Summit County highway system. Beyond its primary role of preparing roadway improvement plans, the section also conducts studies and evaluations of traffic patterns, roadway geometry, physical features, and access. It assesses the need for signage, guardrails, lane configurations, speed limit adjustments, and other safety and capacity enhancements. Additionally, the Highway Section reviews and coordinates construction projects to ensure that alternate routes for detours remain clear of major obstructions and accessible throughout the construction season.

Studies Completed

- Portage Lakes Drive Crosswalk Study--Study completed by TMS Engineers

Current Studies

- CEAO Safety Studies -- Killian Road Corridor Safety Study (Massillon to Myersville Roads)
- Crosswalk Pavement Marking/Signage Study --Inventory complete; improvements to be implemented in 2025 by SCE forces

Design Complete/Ready for Construction

- Canton/Sanitarium Roads -- Traffic Signal Upgrade--Construction to coincide with Canton Road Resurfacing

Improvements Complete

- Cleveland-Massillon/Everett Road Traffic Signal--Signal timing improved to address school traffic
- N Medina Line Road--Vegetation removal to address sight distance concerns
- Wheatley Road at Glencairn Forest Drive--Intersection signage improvements
- Yellow Creek Road at Cleveland-Massillon Road--Sign upgrades

ENGINEERING DIVISION

ALLOTMENT SECTION

The Allotment Section works with the developers, engineers, contractors, governmental agencies and the public to regulate the design, construction and acceptance of subdivisions. The 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.

2024 Subdivision Plan Review & Construction Inspection

- Allega Way & Columbia Road Extension
- Estates of Bath Phase IIB
- Heartridge Subdivision Phase 1 & 2
- Meadows of Wintergreen Phase 3
- Picton Parkway Extension
- Reserve at North Revere
- Retreat at Liberty Lakes Phase 1 & 2
- Ridge Drive
- Sunset Drive Extension

2024 Preliminary Plans

Township	Subdivision	Sublots	Acres
Copley	1	57	42
Springfield	2	38	60
TOTALS:	3	95	102

2024 Final Plats/Replats

Township	Subdivision	Sublots	Acres
Copley	4	6	5
Coventry	2	3	2
Richfield	2	4	15
Sagamore Hills	1	24	10
Springfield	3	6	41
TOTALS:	12	43	73

ENGINEERING DIVISION

SURFACE WATER SECTION

The Summit County Engineer's Surface Water Management District (SWMD) was created in 2017 and expanded in 2022 to all townships plus the City of Reminderville and the Village of Lakemore. The SWMD provides a means and revenue source to address storm water runoff issues beyond the normal county engineer limitations of roads and bridges. Under the SWMD all landowners are charged a stormwater fee to be used to address storm water quality concerns as required for our Ohio EPA Small MS4 Stormwater Permit, and to remediate flooding and erosion issues in the member communities.

We are assisted by the Summit County Soil & Water Conservation District (SSWCD) for field inspections and to provide advice to landowners on topics like erosion and rain gardens. We coordinate our efforts on our SWMD Grading Permit program to help maintain water quality in the streams and avoid flow diversions as landowners undertake various grading activities.

The Wye Road Flood Mitigation Drainage Improvement Phase 1 project was completed in 2024 to reconstruct one storm sewer and build a new storm sewer with swale. We also started construction on Wye Phase 2 to expand a SWM basin and add numerous erosion control measures along the creek.

The SWMD has initiated or continued several studies and designs across Summit County to address known priority problem areas and mitigate flooding issues while providing improvements to storm water quality. These projects include the Springfield Lake Outlet channel, the Springfield Lake watershed, the Tuscarawas River watershed, Penguin/Hinman Ditch, Copley Ditch & Copley Meadows, Idle Brook Bankfull Wetlands, the Cuyahoga River watershed, Everett Rd. stream restoration, Stubbins outlet ditch, Dorwick Ditch, Chaffee Road area, Norwood Lake outlet, Pond Brook, and Darrow/Marwell area.

SWMD's background, highlights, news, reports, rules, regulations, forms and more can be found on the internet at: www.summitengineer.net/pages/SWMD



Wye Rd Drainage Project Area

ENGINEERING DIVISION

SURFACE WATER SECTION

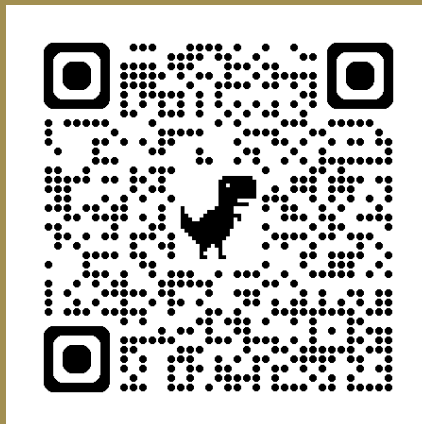
Assessed Subdivisions

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 2024 Davey Resource Group and Emerald Environmental continued their programs at 72 SWMFs for invasive vegetation control and biomass removal at stormwater management facilities.



Repaired Erosion at SWMF

Visit our Surface
Water Management
District Dashboard
by following the
QR code!



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, permitting, construction inspection, testing construction materials, and completing final construction contract documents.

Road Projects

Hines Hill Resurfacing

\$78,327.98

Canton Road Resurfacing

\$702,666.15

Bridge Projects

Misc. Bridge Repair

\$472,478.11

Steels Corners Road Bridge Repair

\$1,075,423.92

Ira Road Bridge Replacement

\$466,891.31

Drainage Projects

Wye Road Flood Mitigation & Improvement -
Phase 2 -Bid in 2024, construction in 2025

Total Project Cost

Total Project Cost

Total Project Cost

\$880,276.00

Total Value of All Improvements Managed by Construction Section: \$11,346,063.50

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.

This year, 12 individual local governments participated. 30 individual projects were combined into nine larger projects worth \$11,346,063.50



Steels Corners Bridge had the bridge expansion joints, overlay the bridge deck with concrete, replace approach guardrail, and miscellaneous other repairs completed in 2024.

ENGINEERING DIVISION

CONSTRUCTION SECTION

<u>Regional Pavement Maintenance Program</u>	<u>SCE Cost</u>	<u>Other Cost</u>	<u>Total Cost</u>
405 Motor Paving	\$1,053,523.75	\$1,794,910.79	\$2,848,434.54
422 Chip Seal	\$205,673.50	\$312,697.37	\$518,370.87
448 North	\$542,323.25	\$1,665,892.37	\$2,208,215.62
448 South	\$813,546.19	\$263,605.95	\$1,077,152.14
Asphalt Crack Sealing	\$70,109.96	\$66,040.06	\$136,150.02
Asphalt Rejuvenation	\$123,324.57	\$31,365.32	\$154,689.89
Concrete Pavement Repair	-	\$323,415.00	\$323,415.00
Catch Basin Repair	\$45,500.00	\$44,168.00	\$89,668.00
Pavement Marking	\$240,488.25	\$72,656.05	\$313,144.30
Total for Regional Pavement Maintenance Program	\$3,094,489.47	\$4,574,750.91	\$7,669,240.38

Permitting

The County issued, 193 road opening permits, 9 special hauling permits, 3 special use permits, and 104 grading permits (Grading permits are now required for new homes, addition, major landscaping projects, and commercial site construction.)

Township Services

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.

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. He personally does the acquisition himself or oversees consultants who perform the work on our behalf.

ENGINEERING DIVISION

CONSTRUCTION SECTION

Township Services (Continued)

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.

Construction Management, Inspection, and Materials Testing

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

In 2024, the Construction Section managed 30 projects worth \$11,346,063.50

Regional Pavement Maintenance Program

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.

This year, 12 individual local governments participated. 30 individual projects were combined into nine larger projects worth \$7.67 Million.

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 inspected 89 Bridges verifying the material condition of our bridges. Additionally, Metro Parks Serving Summit County has hired us to provide an annual inspection of their 41 bridges.

ENGINEERING DIVISION

SURVEY SECTION

The Summit County Engineer's Survey Section has a field crew working under the direct supervision of a Professional Surveyor, having over 30 years of survey experience. This 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 Survey Section performs surveys for internal departments and townships and other local government agencies. They use a Trimble S5 robotic total station with Trimble TSC data collectors and Survey Pro software to collect survey data. They also use a 2016 Nikon Nivo total station with reflectorless technology to serve as backup units. 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, drawings, and field staking purposes. The Survey Section has 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 Reference Stations (CORS)/Virtual Reference System (VRS), which provides real time coordinates with 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 11 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 11,000 linear feet of roadway or ditch. Projects included:
 - Krumroy, Springfield
 - Killian-Pickle Intersection, Springfield
 - Nichols Road Culvert 0292-0665, Springfield
 - Chaffee-Carter Stormwater Study, Sagamore Hills
 - Myersville Road Culvert 0184-06110, Springfield
 - Natures Preserve Pond 1, Twinsburg



ENGINEERING DIVISION

SURVEY SECTION CONTINUED

The Survey Section Provided (continued):

- Surveying projects to determine the centerline or right of way or easements:
 - Akron Peninsula Road Bridge BST-010-1127, Boston
 - Mt Pleasant Bridge GNT-007-0150, City of Green
 - Highland Road Bridge SAG-111-0000, Sagamore Hills
 - Minor Road Bridge COP-207-0161, Copley
 - Everett Road Bridge BST-047-0552, Boston
 - Schocolog Road Centerline and right of way, Copley
 - Riverview Road Bridge BST-009-0997, Boston
 - Riverview Road Bridge BST-009-1316, Boston
 - Riverview Road Bridge BST-009-1430, Boston
 - Monitoring Bath Road Bridge BAT-048-0515, Bath
 - Monitoring Riverview Road Slide at Turnpike Bridges, Boston
- Assistance to the Subdivision Engineer by reviewing 16 proposed major subdivision/replat final plats.
- Review of survey drawings and associated legal descriptions for parcel 38 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.



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 Summit County Engineer's 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 Our Office Has 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 2024, our office neither increased or decreased in size

A new set of contracts were negotiated in 2024 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 unit employees are represented by 2 units of AFSCME. The Clerical and Technical unit includes employees from the Administration and Engineering divisions (11 employees). The Maintenance division employees (except the Heavy Equipment Operators) are included in ASFCME’s Service and Maintenance unit (52 employees).

Employees By Status

	2021	2022	2023	2024
Bargaining	66	67	67	66
Non-Bargaining	22	18	20	12
Unclassified	12	13	12	20
Total	100	98	99	98

Employees By Division

	2021	2022	2023	2024
Maintenance	64	65	65	64
Engineering	28	26	27	27
Administration	8	7	7	7
Total	100	98	99	98

**** Employee numbers are taken from December 2024 payroll reports. A Maintenance Worker position was unfilled at the time.****

ADMINISTRATION DIVISION

FINANCE SECTION

Operating Expenditures

Total operating expenditures decreased very slightly from 2023. Personnel accounted for approximately 79% of total operating costs. Our office is essentially debt free as of the end of 2022, with only a small payment for the Engineer's Office's share of the county radio upgrade project.

Operating Expenditures	2021	2022	2023	2024
Personnel	\$9,119,844	\$9,012,151	\$9,398,764	\$9,641,404
Operations	\$3,010,920	\$2,749,040	\$2,793,560	2,496,393
Debt Service	\$303,463	\$5,951	\$5,766	\$5,766
Total	\$12,434,227	\$11,965,142	\$12,198,090	\$12,143,563

Capital Improvement Program

In 2024, we spent \$6.9 million in local funds on capital projects, an increase over the previous year. A total of almost \$11 million was expended total in 2024 combining local and outside grant funding.

Revenue

Total revenue from all sources (including non-tax revenue) decreased by almost 2% from 2023 to 2024. Alarmingly, the License Tax was again down roughly \$300,000 after a decline of \$1,000,000 the year before. Due to the steady decline in revenue, a 6.3% decrease since 2021, capital projects will be cut back in 2025 and 2026. This office has compiled a Revenue Report near the end of 2024 with additional information about the expanding budget gap. Copies are available in our office.

Revenue	2021	2022	2023	2024
Other Taxes	\$6,896,821.34	\$6,754,815.59	\$6,752,430.04	\$6,746,359.33
Intergovernmental Receipts	\$12,715,081.68	\$12,173,527.46	\$11,749,723.83	\$11,788,524.59
Fines & Forfeitures	\$123,488.30	\$101,340.05	\$106,273.25	\$123,240.19
Investment Income	\$1,054.00	\$19,759.80	\$115,850.38	\$153,506.34
All other Revenues	\$900,362.71	\$1,034,319.49	\$968,040.65	\$524,603.85
Total	\$20,636,768.03	\$20,083,762.39	\$19,692,318.15	\$19,336,234.30
Percent Change Year to Year	n/a	-2.68%	-1.95%	-1.81%

- Total percentage change from 2021 - 2024 is -6.30%

CURRENT & UPCOMING PROJECTS

Completed Bridge Projects

- **North Revere Road Bridge over Revere Run:** This \$583K project replaced the corrugated pipe bridge built in 1965 with a precast box culvert. Kenmore Construction will be completing this project in October of 2024. Bath Township
- **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 2024. Bath Township
- **Steels Corners Road Bridge Rehabilitation Project:** This \$1.05 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
- **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 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 fall of 2024. Bath Township

Active Bridge Projects

- **Minor Rd Bridge :** This project includes replacement of the existing single span reinforced concrete slab structure carrying Minor Road (CR 207) over a branch of Wolf Creek. The structure shall be replaced with a single span reinforced concrete slab with approach slab or 4-side precast box culvert. Work also includes rock channel protection, new embankment and full-depth pavement on/adjacent to structure, erosion protection, pavement marking, and minimal approach roadway work (resurfacing, drainage, guardrail, etc.) necessary to tie-in to existing. Design is scheduled for 2025 with construction in 2028. The bridge is located just West of S. Hametown Road in Copley Township.

CURRENT & UPCOMING PROJECTS

Active Bridge Projects Con't

- **Medina Line Rd Bridge:** This project includes replacement of the existing single span reinforced concrete slab structure carrying Medina Line Road (CR 2) over Mohler Ditch. The structure shall be replaced with a single span reinforced concrete slab with approach slab or 4-side precast box culvert. Work also includes rock channel protection, new embankment and full-depth pavement on/adjacent to structure, erosion protection, pavement marking, and minimal approach roadway work (resurfacing, drainage, guardrail, etc.) necessary to tie-in to existing. Design is scheduled for 2025 with construction in 2028. The bridge is located just South of Johnson Rd in the City of Norton.

- **Vanderhoof Rd Bridge:** This project includes replacement of the existing single-span reinforced concrete slab structure carrying Vanderhoof Road (CR 215) over a Branch of Tuscarawas River. The structure shall be replaced with a single span reinforced concrete slab with approach slab or 4-side precast box culvert. Work also includes rock channel protection, new embankment and full-depth pavement on/adjacent to structure, erosion protection, pavement marking, and minimal approach roadway work (resurfacing, drainage, guardrail, etc.) necessary to tie-in to existing. Design is scheduled for 2025 with construction in 2028. The bridge and is located just east of Van Buren Road in New Franklin.

Upcoming Bridge Projects

- **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 fall of 2025 and be completed in 2026. 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. Depending on the availability of funding this project will be under construction in 2026. Village of Richfield

CURRENT & UPCOMING PROJECTS

Upcoming Bridge Projects Con't

- **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. A design team is in the process of being chosen and detail design will occur over the next three years.

- **Akron-Peninsula Rd Bridge:** This \$1,480,000 project will be a complete replacement of the existing 28 ft long by 34 ft wide Akron Peninsula Rd. Bridge over Salt Run. It is scheduled for 2026 and is located just south of Truxell Road in Boston Township. CVNP is considering relocating the location where A-P Road crosses Salt Run

- **West Highland Rd Bridge:** This \$3,000,000 project will be a complete replacement of the existing prestressed concrete box beam structure. It is scheduled for design in 2026 and is located just east of Riverview Road in Sagamore Hills Township. This is a joint venture project with Cuyahoga County taking the lead on the project and using funding from the NEORS and Summit County contributing to this Cuyahoga River crossing.

- **Glenwood Dr Bridge:** This \$3,476,000 project will be a complete replacement of the existing structure. It is scheduled for 2027 and is located just West of Gary Drive in Twinsburg Township. This is a joint venture project with the City of Twinsburg with the City funding 20% of the project plus any costs associated with aesthetics and utility relocation.

Completed Roadway Projects

- **Canton Road Resurfacing:** In-House Design Complete. Resurfacing of Canton Road from Stark Co. Line to Tisen Road. The project will be bid in March 2024. The County received \$528,000 in Federal Funding for Construction. Construction Cost \$972,000. Springfield Township

- **Martin Road:** In-house design and construction. Plate piles installed on Martin Road to repair landslide between Ira Road and Shade Road. Material cost under \$50,000. Bath Township

CURRENT & UPCOMING PROJECTS

Active Roadway Projects

- **Ravenna Rd. Part 2:** Environmental Design Group prepared improvement plans for the resurfacing of Ravenna Rd from the Summit/Portage County border to Old Mill Road. 4-foot wide shoulders will be added. The project will be bid in 2025 and awarded to Perrin Construction. The County received \$600,000 in Federal Funding for Construction. Design Cost \$85,000, Construction Cost \$1.00 Million. City of Hudson & Twinsburg Township

Pending Roadway Projects

- **Albrecht Avenue Resurfacing:** In-House Design Complete. Resurfacing of Albrecht Road from Akron Corp. Line to State Route 532. 4-foot wide shoulders will be added. The project will be bid in March 2027. The County received \$875,000 in Federal Funding for Construction. Construction Cost \$2.003 Million. Springfield Township & Village of Mogadore

- **South Main Street Resurfacing:** This resurfacing project, estimated at \$1.255 million, will repair and resurface approximately 1 mile of South Main Street from the City of Green north Corporation Limit to approximately Portage Lakes Drive. The project is designed and will be bid as soon as federal funding is available 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

- **S Main Street:** Project for pavement replacement, new sidewalk and some sidewalk replacement, traffic signal, and bridge replacement that starts at Portage Lakes Drive and extends past the Warner Road intersection clear thru to Axline Drive. The local matching funds will total about \$1.5 million, for a total project cost of \$7.5 million. About 18% of the project is in the City of Akron and we have advised them that we will be seeking funds from them. 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. The consultant is investigating the possibility of shifting the roadway to the west to eliminate extensive excavation of the hillside. This \$3 million project is scheduled to be under construction in 2026. Sagamore Hills Township.

CURRENT & UPCOMING PROJECTS

Pending Roadway Projects Con't

- **Valley View Rd. Part 2 Sagamore Hills Township:** Environmental Design Group prepared improvement plans for the resurfacing of 1.45 miles of Valley View Road from Olde 8 to Dunham Road. 4-foot wide shoulders will be added where possible. The project will be bid between July 2026 and July 2027. The County received \$787,500 in Federal Funding for Construction. Design Cost \$88,000, Construction Cost \$1.52 Million.
- **Cleveland-Massillon Road Sidewalk:** Consultant prepared plans to create a new sidewalk along the west side of Cleveland Massillon Road from Medina Road to Springside Drive. Plans were completed in 2023, right of way acquisitions completed in 2024 and project has been awarded to Geauga Highway. Federal Funding for Design, Right of Way and Construction totaled \$520,000. Construction Cost estimated at \$515,000 – 80% federal and 20% Township. Bath Township
- **Yellow Creek Road:** The SCE had S&ME, Inc. install an inclinometer. On the north side of Yellow Creek Road just west of Sand Run Road. S&ME are taking readings and monitoring the landslide to determine a repair type. Failure plane is approximately 23 feet below ground level. Installation cost \$ 20,000. Periodic monitoring. Bath Township
- **Spingside Drive:** Consultant prepared plans to create a new sidewalk along the west/north side of Spingside Drive from Medina Road to Cleveland Massillon Road. Plans were completed in 2023, no right of way acquisition required. Project to be sold in the summer of 2026 (SFY 27). Awaiting availability of Federal TASA funds . Bath Township
- **Krumroy Road Parts 1, 2,& 3:** Consultant prepared plans to resurface all of Krumroy Road from Massillon Road to Flickinger Road to provide an improved surface and to provide 4 foot wide shoulders where possible. A fourth section of Krumroy Road from Arlington Road to Massillon Road is also being designed but there no funding available at this time for the project's construction.
- **Intersection improvement – Sanitarium Road at Canton Road:** Construct a replacement traffic signal with pedestrian cross walks, pedestrian traffic signals, new poles, new traffic signal heads and a sidewalk connecting the High School driveway to the intersection.
- **Killian/Pickle roundabout intersection improvement:** Construction of a Roundabout at the intersection of Killian Road and Pickle Road with reprofiling of the eastern approach to improve sight distance. Work will also include curbs, sidewalks, ADA curb ramps, signage, striping, and Drainage

CURRENT & UPCOMING PROJECTS

Surface Water Management District Projects

- **General Consultation Services:** KE McCartney's General Services Contract to provide engineering services for various storm water projects. Costs \$100,000.
- **Cuyahoga River Watershed Study:** Authorized Tetra Tech to prepare a regional study of the portion of the Cuyahoga River Watershed including the Pond Brook and Aurora Lake Watersheds, located within the watershed district. The study will make recommendations to improve water quality and reduce runoff and erosion in the watershed. Study Costs \$352,800.
- **Tuscarawas River Watershed Study:** Authorized CEC to prepare a regional study of the portion of the Tuscarawas River Watershed located within the watershed district. The study will make recommendations to improve water quality and reduce runoff and erosion in the watershed. Study Costs \$525,000
- **Copley Ditch and Black Pond Outlet:** EnviroScience finalized a study and preliminary plan to improve water quality and reduce runoff and erosion along Copley Ditch and Black Pond Outlet. The cost of the study was \$100,000. The final design will be advanced in 2024 as part of the Copley Meadows area study.
- **Coventry Twp-Penguin Area/Hinman Ditch:** Authorized Environmental Design Group to prepare a study for the Penguin Drive area to address drainage and erosion concerns. The study will be completed in 2024. Design Costs \$90,000
- **Springfield Lake Outlet Study:** Authorized DLZ to prepare a study of the Springfield Lake Outlet and Outlet Channel. The study will be completed in 2024. Study Costs \$180,000
- **Springfield Lake Watershed Study:** Authorized CT Consultants to prepare a study and preliminary plan to improve water quality and reduce runoff and erosion within the Springfield Lake Watershed. The study will be completed in 2024. Study Costs \$200,000
- **Northfield Center Twp Dorwick Ditch Area:** Authorized B&N to prepare a study and preliminary plan to improve water quality and reduce runoff and erosion near the Dorwick and Marwyck Drive areas. The study will be completed in 2024 and advanced to final design. Study Costs \$242,000

CURRENT & UPCOMING PROJECTS

Surface Water Management District Projects Con't

- **Wye Rd Phase 1 and 2:** This project will be done in two phases. Phase 1 will modify existing stormwater management basins and install improved storm sewers and swales at two other locations in the Sanctuary of Bath Estates. Phase 2 will add best management practices such as step-pools, cascades, and riffles at four locations along the stream in the ravine at the northern edge of the Sanctuary of Bath Estates.
- **Idle Brook:** This project will construct bankfull wetlands alongside Idle Brook, Yellow Creek and West Fork to provide for up to 46 acre-feet of floodplain storage volume. This will reduce flooding downstream, reduce flow velocities in the stream (reducing erosion) and create improved habitat for flora and fauna.
- **Chaffee:** Sagamore Hills Twp. The County has selected a consultant and is in the early stages of scope/fee negotiations. The study will make recommendations to improve water quality and reduce runoff and erosion in the watershed.
- **Marwell/Darrow:** Twinsburg Twp. The County has selected a consultant and is in the early stages of scope/fee negotiations. The study will make recommendations to improve water quality and reduce runoff and erosion in the watershed
- **Copley Meadows & Copley Ditch/Black Pond Outlet:** Preliminary & finals design of storm water detention basins, wetland areas and other practices for the Copley Meadows area that will reduce peak flows and pollutants in stormwater runoff flowing into Copley Ditch. The consultant will also prepare the final design and construction drawings for the Copley Ditch and Black Pond Outlet improvements, based on the improvements recommended in the Copley Ditch Study. Cost \$565,000. The plans will be completed in 2025.

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 Mon - Fri 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: <https://www.summitengineer.net/pages/SWMD>



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