

Honorable Board of Clark County Commissioners,

In compliance with Section 5543.02 of the Ohio Revised Code, we have assembled the 2019 annual report. It contains details of our maintenance on county roads, bridges, and culvert projects over the past year along with updates on future projects.

As always, I appreciate the opportunity to serve you and the citizens of Clark County as your County Engineer.

2019 ANNUAL REPORT

Ohio Revised Code 5543.02

Johnathan A. Burr, P.E., P.S.
Clark County Engineer

Email: engineer@clarkcountyohio.gov
Website: www.clarkcountyohio.gov/engineer



937-521-1800
4075 Laybourne Road
Springfield, Ohio 45505

Paul W. DeButy, P.E., P.S.
Chief Deputy

Kenneth D. Fenton, P.S.
Deputy Engineer Operations

Thomas W. Bender, P.E.
Project Design Engineer

BRIDGE PROJECTS

2019

North Hampton Road Bridge No. 1255

74% OPWC funding up to \$899,925

This project consisted of replacing Bridge No. 1255, an existing 110 foot long, three (3) span continuous steel beam bridge with a reinforced concrete deck bridge on capped pile piers and abutments, which carries North Hampton Road over Donnels Creek. The new structure is a single span pre-stressed concrete I beam superstructure with a composite reinforced concrete deck on semi-integral capped pile abutments on an improved roadway alignment.



North Hampton Road Bridge No. 1255

Springfield Xenia Road Bridge No. 1076

80% Federal funding / 20% OPWC funding in conjunction with the overall roadway project

The project consisted of the rehabilitation of Bridge No. 1076 over Mill Creek by replacing the existing concrete slab bridge with a new superstructure on modified abutments, new approach slabs and abutment repairs. Funding was being provided through ODOT (FHWA Funds) and Ohio Public Works Commission.



Springfield Xenia Road Bridge No. 1076

Newlove Road Bridge No. 825

95% State funding up to \$1,239,700

The project consisted of the replacement of an existing single span steel truss bridge on Township Road 98 Newlove Road over Beaver Creek with a single span composite box beam bridge. The project also included an additional 237 feet of improvement to TR98 by providing additional pavement, shoulders, guardrail and other features. Funding was provided through the County Engineer's Association of Ohio and ODOT Credit Bridge Program (See cover photo page 1).

Coming up . . .

2024

Knollwood Road Bridge No. 246

95% State funding up to \$1,018,400

The proposed project includes plans for the replacement of Knollwood Road Bridge No. 246, SFN 1235850, situated on County Route 325 in Clark County with a project length of approximately 0.1 miles. The current bridge consists of a 90-foot-long steel pony truss on concrete abutments and spans Chapman Creek in the northern portion of the county. The bridge was constructed in 1987. Local funds will be used for design services, and state funds will be used for construction. Clark County will administer the consultant contract and plan review.

County Bridge Replacements (County Crews)

2019

Rebert Pike Bridge No. 1015

The project consisted of the rehabilitation of Bridge No. 1015 over a branch of Mill Creek by replacing the existing steel beam bridge with a new concrete beam superstructure on existing abutments.

Milton Carlisle Road Bridge No. 1207

The project consisted of the rehabilitation of Bridge No. 1207 over Jackson Creek by replacing the existing steel beam bridge with a new steel beam superstructure on rehabilitated abutments.



Milton Carlisle Road Bridge No. 1207

Dille Road Bridge No. 1238

The project consisted of the rehabilitation of Bridge No. 1238 over Mud Creek by replacing the existing steel beam bridge with a new steel beam superstructure on rehabilitated abutments.



Dille Road Bridge No. 1238

replacing the existing steel girder bridge with a new concrete beam superstructure on existing abutments.

2020

Myers Road Bridge No. 65

The project will consist of the complete replacement of Bridge No. 65, over a branch of Donnels Creek by replacing the existing steel arch structure with a new concrete beam superstructure on new capped pile abutments.

Bischoff Road Bridge No. 1257

The project will consist of the rehabilitation of Bridge No. 1257 over a branch of Jackson Creek by

ROADWAY PROJECTS

2019

Springfield-Xenia Road

80% Federal funding up to \$1,800,000

The Clark County Engineer's Office received federal funds to rehabilitate Springfield-Xenia Road from US 68 to the Springfield corporation limits near Driscoll Avenue. The project included paved berms, resurfacing of the roadway, new signage, pavement markings and replaced the existing fixed time traffic signal at Possum Road. The project also included the rehabilitation of Bridge No. 1076 over Mill Creek.

Guardrail Upgrades

100% Federal funding up to \$300,000 / Completed Project Cost \$261,616

The Clark County Engineer's Office received federal funding to update deteriorated guardrail at multiple locations throughout the county. The project included the removal of approximately 11,362 feet of Type 5 guardrail and replacement with over 11,175 linear feet of Type MGS guardrail, as well as numerous bridge terminal and various anchor assemblies. Locations included Robert Eastman Road, Huntington Road, South Tecumseh Road, Detrick Jordan Pike, and Ballentine Pike.

Multi Road Resurfacing

50% OPWC funding up to \$424,000

Completed Project Cost \$944,747.36

The project included Robert Eastman Road, Buck Creek Lane, and Old Columbus Road and consisted of milling, minor excavation (widening), intermediate resurfacing, surface, aggregate berm and the replacement of the existing traffic signal at Buck Creek Lane and Old Columbus Road. The contractor for the project was A & B Asphalt Corporation. The County's portion was \$520,000.

Resurfacing Contract

Locally funded contract: \$1,831,069.96

Clark County along with Bethel, German, Harmony, Mad River, Moorefield, Springfield Townships, City of New Carlisle, Village of South Charleston, and the Village of Enon participated in a cooperative bid to resurface approximately 23.42 miles of roadway. Clark County Roads included Titus Road (2.25 miles), Tarbutton Road (1.54 miles), and McConkey Road (5.09 miles). The contractor for the project was A & B Asphalt Corporation. The County portion was \$804,721.03.

Pavement Marking

Locally funded contract: \$279,740.26

The 2019 Pavement Marking contract consisted of approximately 139.3 miles of county roads, 69 miles of township roads and secondary markings located within Clark County, Ohio. The project was contracted as a cooperative bid, including Clark County, Bethel, Mad River, Moorefield, Pike, and Springfield Townships. The contractor for the project was Aero-Mark, Inc. of Streetsboro, Ohio. Clark County's share of the contract was \$220,416.84.



2020

Multi Township Resurfacing Project OPWC

50% OPWC funding up to \$1,200,000

The project consists of a cooperative bid by Clark County along with Bethel, German, Mad River, Moorefield and Springfield Township in a cooperative bid to resurface approximately 21.41 miles of roadway, along with miscellaneous pavement repairs, milling and other paving incidentals.

2022

Enon-Xenia Road

80% Federal funding up to \$1,632,000 and 100% federal funding up to \$220,000

The project will install left turn lanes as needed in support of the new Greenon School, replace the deteriorating storm sewer system from Mud Run to Green Vista Drive, construct a shared use path from Hunter Road to Green Vista Drive, rehabilitate the bridge over Mud Run, and resurface the roadway from the bridge to Dayton-Springfield Road. Enon-Xenia Road is due for rehabilitation at the same time that Greenon Local Schools is planning to construct a new K-12 school at the existing Indian Valley school site. Residents have requested a sidewalk or path along Enon-Xenia for student safety, and turn lanes will accommodate the increased school traffic. Flooding and drainage problems are occurring at the intersection of Enon-Xenia Road and Green Vista Drive. The new storm sewer will provide the ability to address these issues, improve inlets at the intersections, and provide a better drainage outlet for the new school site as needed.

2023

Selma Pike / Possum Road Roundabout

100% Federal funding up to \$840,000

The project will construct a roundabout at the intersection of Selma Pike and East Possum Road in Springfield Township. Clark Shawnee Schools has received funding to construct a new elementary school on the southeast corner of Selma Pike at E. Possum Road across from the existing Shawnee High School. The traffic impact study for the project is projecting a severe deficiency at the existing intersection. Multi-way stop warrants and traffic signal warrants were not met, and a roundabout is proposed as the most effective solution.

STUDIES AND PLANNING

CEAO Safety

90% Federal funding up to \$32,400

Spangler Road / Medway Carlisle Road

Middle Urbana Road (Clark County-Springfield TCC)

In cooperation with the Clark County-Springfield Transportation Coordinating Committee, a corridor study to assess access, safety, and infrastructure needs.

Annual Maintenance

308.48 miles of
County Maintained Roadway

235 Bridges

Tree Trimming

Roadside Mowing

Ditch Maintenance

Culvert Replacements

Street Sweeping

DuraPatching

Crack Seal

Chip & Seal

Fog Seal

SEASONAL EFFORTS

Snow Removal

The price for mixed grits remains the same at \$46.37 per ton. In 2019 Detroit Salt Company won the bid with a road salt price of \$79.69 per ton. The County was committed to purchasing a minimum of 5,400 tons and a maximum of 6,600 tons. Due to the COVID-19 and schedule changes, the 2020 Road Salt Contract has been delayed.

Ditch Maintenance

In addition to the normal maintenance consisting of mowing the county-maintained ditches and detention basins, ditch cleanouts were performed on two ditches.

The County contracted the clean out of approximately 2.84 miles of the Gilroy-Dunn Ditch main channel and 1.13 miles of lateral between State Route 41 and Thomas Road. The contractor for the project was Miller Excavating of South Charleston, Ohio at a total cost of \$32,007.50.

The County also contracted the clean out of a 1-mile section of Goose Creek between East Jackson Road and East Blee Road. The contractor for the project was Denver Thompson Farms & Excavating of South Charleston, Ohio. The total construction cost was \$18,400.

ASSISTING OTHER AGENCIES

2019

Bethel Township

74% OPWC funding up to \$103,600

This project was an Ohio Public Works Project on Lake Road in Bethel Township. The project consisted of pavement repairs, asphalt resurfacing, aggregate berms and new pavement markings. The contractor for the project was Barrett Paving. The total construction cost was \$135,040.65.

Springfield Township

100% CDBG funding up to \$123,110

This was a Community Development Block Grant project on Iroquois Avenue in Springfield Township. The project consisted of removing and replacing the concrete curb and gutters, catch basin repairs, milling and asphalt resurfacing. . The contractor for the project was A&B Asphalt Corporation of Springfield, Ohio. The total construction cost was \$101,315.12.

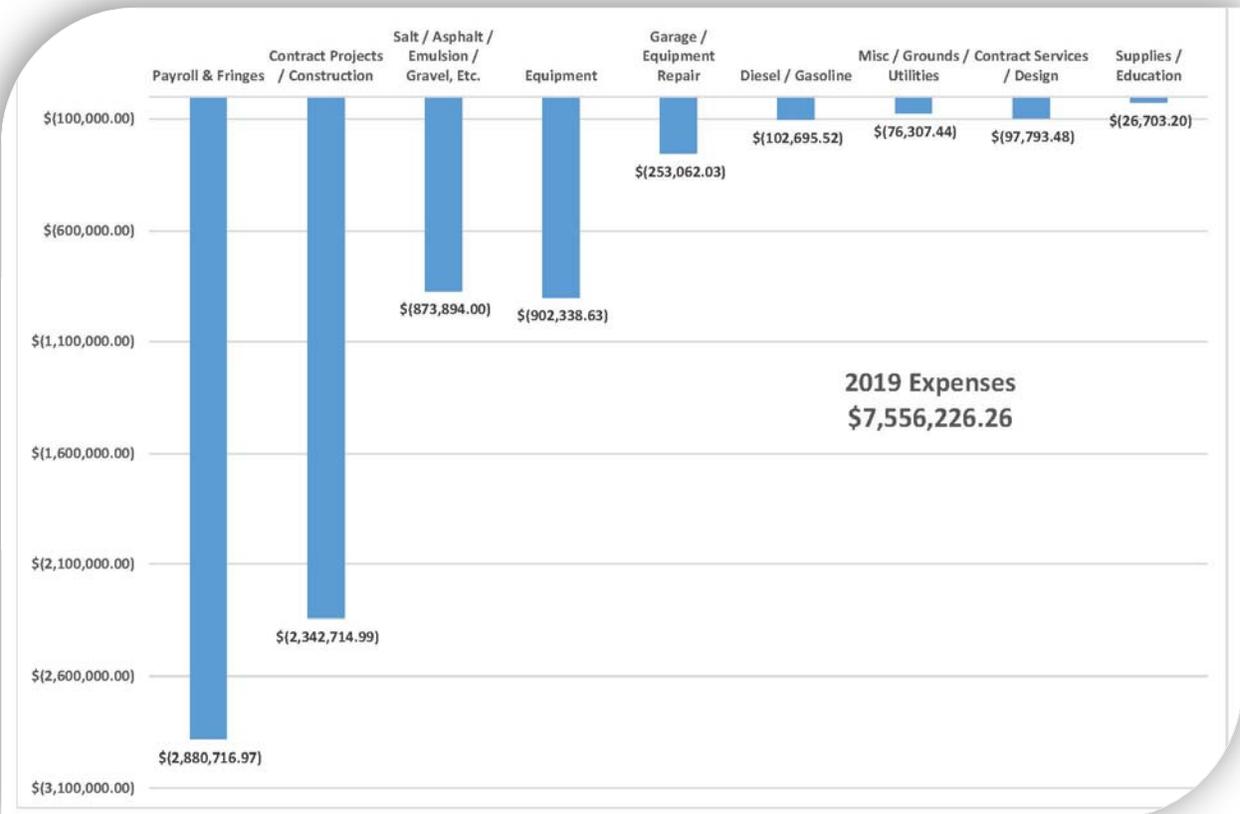
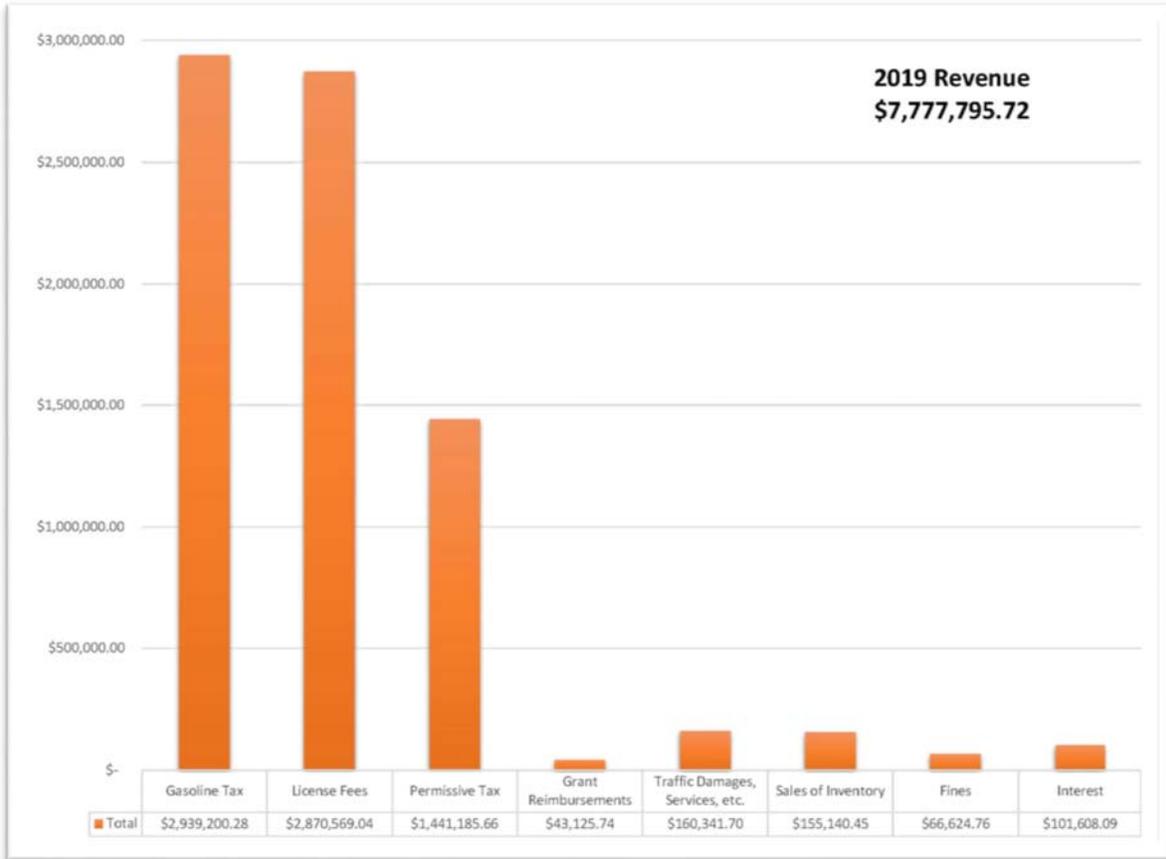
Moorefield Township

100% Local funding \$118,772.84

This project consisted of a culvert replacement project on Tacoma Street that included the removal and replacement of the existing corrugated metal pipe with a 6' X 5' precast concrete box culvert structure, along with a cast in place headwall and incidentals. The project is located on Tacoma Street in the Northridge Subdivision north of Springfield, in Moorefield Township, approximately 300 feet east of Ridgewood Road East. The contractor for the project was R.B. Jergens Contractors of Vandalia, Ohio. The final construction cost was \$115,399.80.



Local Funds



Clark County Engineer's Office employees

Management and Office Staff

Paul DeButy, P.E., P.S., Chief Deputy
 Kenneth D. Fenton, P.S., Deputy Operations
 Thomas Bender, P.E., Design Engineer



	Pamela Fulton Office Manager	Robert McClure, Jr. Engineering Technician
Mark Power, P.S. Tax Map Director	Alyssa Dunham Map Room Technician	Gregory Fitzsimmons Maintenance Superintendent

Supervisory Personnel

Robert Mounts, Jr., Road	Brian Locke, Road
Samuel Thackery, Bridge	Derek Thompson, Garage

County Crews

Aaron Ashbaugh	Tammi Flaherty	Rick Jordan	Jason Underdue
Jason Berner	Ronald Fleming	John P. Loney	Joshua Wagner
Darien Bowman	Robert Gaus	Jacob Pencil	Jason Weaver
Brian Circle	Justin Hasting	Ryan Pequignot	Jarrett Wolfe
Michael Duffy	John Hunter, Jr.	Herbert Phares	Keith Yeary
Bryan Elliott	Jeffrey Jones	Gene Taylor	



Thomas E. Smith
 December 1, 1961 to March 8, 2020

Thomas E. Smith, Traffic Supervisor

I am very sad to report that the County Engineer's Office lost a good friend and a dedicated employee this spring. Tom Smith, our Traffic Department Supervisor, passed away unexpectedly on March 8, 2020, from a motorcycle accident. Tom served diligently since 1996 in the Traffic Department and was promoted to Supervisor in 2013. Tom was passionate about his job in which he was responsible for the maintenance and replacement of all county traffic signs, performing traffic counts, assisting with the pavement marking program, maintaining and programming school zone flashers, coordinating traffic signal maintenance, performing speed zone studies and many other duties as needed. Tom was also responsible for emergency roadway closures in response to

vehicle accidents, flooding, and other traffic or weather related problems. At all hours of the night, Tom responded as needed with a ready to serve attitude. He was an exemplary public employee and we will miss him greatly.