

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

# 2017 Annual Report

## Ohio Revised Code 5543.02

*The County Engineer shall report to the Board of County Commissioners, on or before the first day of June in each year, the condition of the county roads, bridges, and culverts, and estimate the probable amount of funds required to maintain and repair or to construct any new roads, bridges, or culverts required within the county.*

### 2017 Review

As the County Engineer, it is my job to administer all aspects of design, construction and repair of our local roads and bridges in Clark County. It is my goal to maintain the best and safest roadway system possible for the citizens of Clark County. To that end we have either replaced or performed major rehabilitations on nearly 75 of the 235 bridges. By doing so, we have been able to maintain legal load limits on all our bridges and none are currently posted with a load reduction. Concerning the roadways, last year we used local funds to resurface 6.2 miles of County roads, far less than the 20 miles needed to maintain a fifteen (15) year rotation. As a result, we elected to chip seal 42 miles of roadway in an effort to address cracking pavement. With the present funding in place we can maintain approximately 100 miles of roadway in asphalt and maintain chip seal on the other 200 plus miles of roads. We must be as efficient as possible and spend our money wisely maintaining and preserving what we have.

#### 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

# 2017

## Old Columbus Road Bridge No. 1057

74% OPWC funding up to \$525,400

The project replaced the existing 60' truss bridge carrying Old Columbus Road over Sinking Creek with a 72' single-span composite prestressed concrete box beam superstructure on semi-integral abutments on cast-in-place piles.

Construction was completed in May 2017 by Brumbaugh Construction, Inc.

## West County Line Road Bridge No. 400

100% Local Funds

The project replaced an existing steel beam bridge with a 28'-0 wide X 39'-0 long steel beam bridge superstructure, including galvanized beams on existing abutments. Construction was completed in July 2017 by Ohio Bridge and Clark County.

# 2019

## North Hampton Road Bridge No. 1255

74% OPWC funding up to \$899,925

The project will replace the existing three-span steel I-beam bridge and concrete deck bridge approximately 117 feet in length that is supported on capped pile abutments along with realigned roadway and right of way.

## Springfield Xenia Road Bridge No. 1076

80% Federal funding up to \$780,000

The project will rehabilitate Bridge No. 1076 over Mill Creek by replacing the existing concrete slab with a new superstructure on modified abutments.

# 2020

## Newlove Road Bridge No. 825

95% Federal up to \$1,239,700

This project will replace an aging steel truss bridge over Beaver Creek. Funding is provided through the County Engineer's Association of Ohio.



# County Forces

Bridge Replacements	
2017	2018
Ayres Pike Bridge No. 25	Baker Road Bridge No. 293
New Carlisle-St. Paris Road Bridge No. 22	Mitchell Road Bridge No. 1034
Willowdale Road Bridge No. 253	Upper Valley Pike Bridge No. 290
Hominy Ridge Road Bridge No. 257	Snyder Domer Road Bridge No. 265
	Sparrow Road Bridge No. 1609
Rehabilitations	
2017	2018
St. Paris Pike Bridge No. 452	Willowdale Road Bridge No. 252
North Hampton Road Bridge No. 1255	
New Carlisle-St. Paris Road Bridge No. 30	

# Roadway Projects

## 2017

### Derr Road Final Phase

80% Federal funding up to \$4,200,000

20% OPWC funding up to \$1,040,140

This 2-year project was completed between Villa Road and Moorefield Road. Improvements included 5' pavement widening, storm sewer upgrades, culvert replacements, and resurfacing over the entire 2.03 mile section. In addition, the work included a new traffic signal at Montego Drive, new lighting at Kingsgate Road, a profile adjustment south of Kingsgate Road, water main construction, pavement markings and raised pavement markers.

### East Home Road OPWC

74% OPWC funding up to \$520,000

The project included curb replacement, storm sewer rehabilitation, and resurfacing.

### Old Clifton Road

100% federal funding up to \$10,000

Install 2 school zone speed limit sign assemblies at the Clark Education Center. The cost of the flashers and relay were \$6,437.59.

### Sign Upgrade

80% federal funding up to \$50,000

Clark County completed the final stages of a sign replacement project using federal funds through the County Engineer's Association of Ohio. The project upgraded all street name signs and advance street name signs on all county routes and upgraded regulatory and warning signs at various locations. The total cost of the project was \$48,743.24 County forces installed the signs.

### Resurfacing

Locally funded contract: \$1,680,633.32

Clark County along with Bethel, German, Harmony, Mad River, Madison, Moorefield, Springfield Townships, City of New Carlisle, and the Village of South Vienna participated in a cooperative bid to resurface approximately 25 miles of roadway. The contractor for the project was A & B Asphalt Corporation. The County portion was \$503,066.96.

### Pavement Marking

Locally funded contract: \$213,322.27

The 2017 Pavement Marking contract consisted of approximately 183 miles of county roads, 42 miles of township roads and secondary markings located within Clark County, Ohio. The project was contracted as a cooperative bid, including Clark County, Bethel, and Moorefield Townships. The contractor for the project was Aero-Mark, Inc. of Streetsboro, Ohio. Clark County's share of the contract was \$181,531.68.

### Herbicidal Spraying

Locally funded contract: \$77,063.00

The purpose of this project is to control undesirable vegetative growth. It is intended to control intrusion of grasses into the pavement, eliminate vegetative growth in areas inaccessible to County mowers, control the growth of grass and/or spread of weeds and Johnsongrass, and keep brush from intruding into the roadway right of way. The contractor for the project was FDC Enterprises, Inc. of Springfield, Ohio.

## 2018

### Croft Road Reconstruction

80% federal funding up to \$2,261,312.80

20% OPWC funding

The project will include shoulder widening, left-turn lane construction at Robert Eastman Road, dedicated bike lanes from State Route 4 to the bike path, road resurfacing, pavement markings, minor bridge deck rehabilitation and guardrail improvements on the eastern portion of Croft Road from State Route 4 to Columbus Avenue.

### New Carlisle Pike

80% federal funding up to \$856,000

The project will resurface 8.36 miles of roadway, place additional berm material for the shoulders, and install pavement markings and raised pavement markers throughout the corridor.

## 2019

### Springfield Xenia Road

80% Federal up to

\$1,670,000

The project will rehabilitate 2.1 miles of Springfield Xenia Road from State Route 68 to the City of Springfield Corporation line including Bridge No. 1076 and replace the traffic signal at West Possum Road.

### Guardrail Upgrades

100% Federal up to \$300,000

This safety project is funded by the County Engineer's Association of Ohio and will install guardrail along various county routes.

## Snow Removal

### 2017

Mixed Grits \$46.37 ton

Salt \$54.61 ton

Must purchase

2,250 tons min / 2,750 tons max

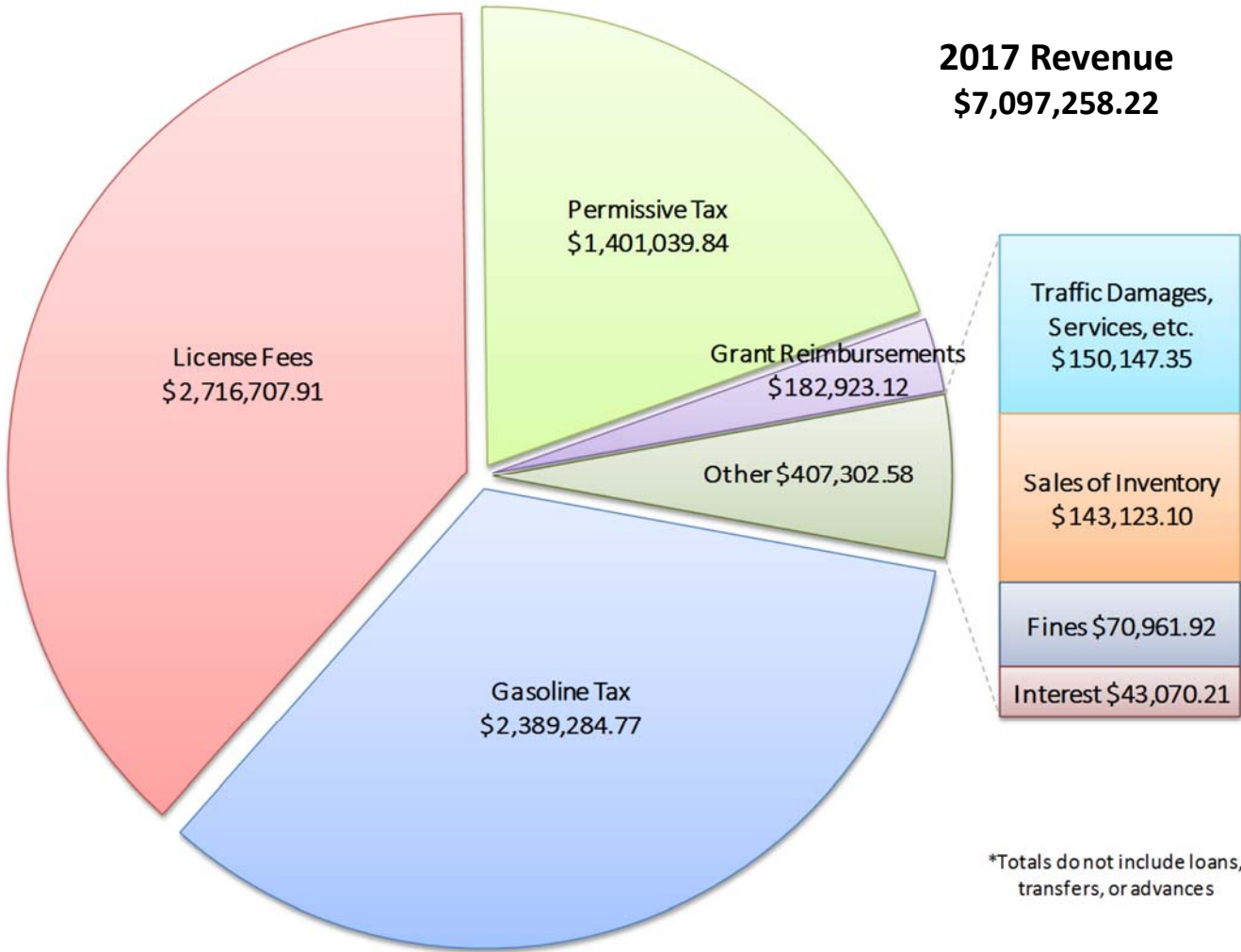
# Assisting Other Agencies

### Springfield Township

Leffel Lane / South Bird Road Resurfacing OPWC Project

This project cost \$380,214.38 utilizing \$275,461.00 of OPWC funding. The contractor was The Shelly Company.

**2017 Revenue**  
**\$7,097,258.22**



\*Totals do not include loans, transfers, or advances

**Clark County Engineer Staff**

- Paul DeButy, P.E., P.S.**  
*Chief Deputy*
- Dean Fenton, P.S.**  
*Deputy Engineer*
- Tom Bender, P.E.**  
*Project Design Engineer*
- Mark Niccolini**  
*Drainage Maintenance Supervisor*
- Robert McClure, Jr.**  
*Engineering Tech*
- Sam Thackery**  
*Bridge Supervisor*
- Greg Fitzsimmons**  
*Drainage Supervisor*
- Bob Mounts, Jr.**  
*Road Supervisor*
- Brian Locke**  
*Road Supervisor*
- Tom Smith**  
*Traffic Supervisor*
- Derek Thompson**  
*Garage Supervisor*
- Pam Fulton**  
*Office Manager*
- Ashley Kress**  
*Administrative Specialist*

**2017 Expenses**

<b>Payroll</b>	<b>\$ 1,929,432.18</b>
<b>Fringes</b>	<b>\$ 946,035.98</b>
<b>Supplies / Print</b>	<b>\$ 14,765.69</b>
<b>Education / Memberships</b>	<b>\$ 10,133.62</b>
<b>Salt / Asphalt / Emulsion / Gravel, Etc.</b>	<b>\$ 981,374.78</b>
<b>Land Acquisition</b>	<b>\$ 33,593.32</b>
<b>Equipment</b>	<b>\$ 681,568.49</b>
<b>Contract Services / Design</b>	<b>\$ 70,196.71</b>
<b>Contract Projects / Construction</b>	<b>\$ 1,277,188.99</b>
<b>Misc / Grounds / Utilities</b>	<b>\$ 177,417.47</b>
<b>Diesel / Gasoline</b>	<b>\$ 126,662.86</b>
<b>Garage / Equipment Repair</b>	<b>\$ 356,485.10</b>
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	<b>\$ 6,604,855.19 *</b>

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