

BUTLER COUNTY ENGINEER'S OFFICE



GREGORY J. WILKENS, P.E., P.S. BUTLER COUNTY ENGINEER

[www.bceo.org](http://www.bceo.org)

2019  
Capital Improvements  
Report

April 1, 2019

Board of County Commissioners  
Butler County Government Services Center  
315 High Street  
Hamilton, Ohio 45011-2759

RE: 2019 Capital Improvements Report

Board of Butler County Commissioners:

The staff of the Butler County Engineer's Office conducts an ongoing inspection and analysis of the roads and bridges that are under our jurisdiction and make up the County system, per Section 5543.02 of the Ohio Revised Code. On the basis of these inspections and analyses, we respectfully submit to the Butler County Board of Commissioners this Report for all recommended 2019 capital improvements as of April 1, 2019. Each project listed has the direct participation of the Butler County Engineer's Office, involving some expenditure of funds and/or resources. All local construction funding and match money for State and Federal grants are BCEO funds unless otherwise specified.

We acknowledge your prior approval via resolution 1) to acquire needed rights of way and prepare plans in accordance with our recommended improvements, and 2) to proceed by Force Account, as outlined in Section 5543.19 of the Ohio Revised Code, in the maintenance, repair, and construction of roads, bridges, and culverts in Butler County during the year 2019.

This project list is subject to modification as funding allocations change and possible emergency projects arise. A continuously updated project list is maintained for public viewing on the Butler County Engineer's web site.

Very truly yours,

Gregory J. Wilkens, P.E., P.S.  
Butler County Engineer

## **2019 PROPOSED CAPITAL IMPROVEMENTS**

The following list of proposed capital improvements and general maintenance projects is compiled as of April 1, 2019. This report lists projects that will begin construction during 2019. (2018 carryover costs from projects that were accounted for in last year's Capital Improvements Report are included and identified.) All local funding and match money for State and Federal grants are BCEO funds unless otherwise specified.

### **BRIDGES**

#### ***Federal Funds***

##### Bridge Replacement

Lanes Mill Road Bridge #02.519

*COST: \$2,114,000 (ALREADY ACCOUNTED FOR IN 2018 CAPITAL IMPROVEMENTS REPORT)*

*Federal funds: \$2,008,300*

*Local BCEO funds: \$105,700*



## ***Local Funds by Force Account***

### Bridge Repair

Cedar Creek Drive Bridge #00.037

*ESTIMATED PROJECT COST: \$31,457*



### Bridge Repair

Le Saint Drive Bridge #00.072

*ESTIMATED PROJECT COST: \$28,989*

### Bridge Repair

Stone Creek Drive Bridge #00.161

*ESTIMATED PROJECT COST: \$32,101*



Bridge Repair

Muhlhauser Road Bridge #00.430

*ESTIMATED PROJECT COST: \$30,009*

Bridge Repair

Bennington Drive Bridge #00.833

*ESTIMATED PROJECT COST: \$29,251*



## **CULVERTS**

### ***Local Funds by Force Account***

#### **Culvert Replacements/Repairs/Removals on County Roads**

Alert New London Road Culvert #02.183  
Alert New London Road Culvert #04.741  
Booth Road Culvert #01.886  
Brown Road Culvert #01.886  
Hamilton New London Road Culvert #01.593  
Hamilton New London Road Culvert #01.926  
Hamilton New London Road Culvert #02.296  
Hamilton New London Road Culvert #06.293  
Hamilton New London Road Culvert #06.344  
Indian Creek Road Culvert #03.794  
Kyles Station Road Culvert #03.532  
Kyles Station Road Culvert #05.130  
Middletown Germantown Road Culvert #00.428  
Middletown Germantown Road Culvert #01.203  
Middletown Germantown Road Culvert #02.120  
Middletown Germantown Road Culvert #02.137  
Millikin Road Culvert #06.197  
Minton Road Culvert #00.984  
Minton Road Culvert #01.393  
Minton Road Culvert #01.871  
Minton Road Culvert #01.900  
Minton Road Culvert #01.967  
Princeton Road Culvert #05.215  
Princeton Road Culvert #06.342  
Princeton Road Culvert #07.167  
Princeton Road Culvert #07.249  
Princeton Road Culvert #07.788  
Princeton Road Culvert #07.973  
Schradin Road Culvert #01.734  
Schradin Road Culvert #01.773  
West Alexandria Road Culvert #02.066  
West Alexandria Road Culvert #02.096  
West Alexandria Road Culvert #02.160  
West Alexandria Road Culvert #02.288

**ESTIMATED TOTAL COST: \$511,000**

Brown Road Culvert #01.886



Middletown Germantown Road Culvert #01.203



Culvert Replacements/Repairs

Hamilton Mason Road Culvert #05.422

Hamilton Mason Road Culvert #05.452

ESTIMATED TOTAL COST: \$120,000 (\$60,000 ACCOUNTED FOR IN 2018 CAPITAL IMPROVEMENTS REPORT)

Material – West Chester Township

Labor – BCEO FA

Hamilton Mason Road Culvert #05.422



Hamilton Mason Road Culvert #05.452





## INTERSECTION IMPROVEMENTS

### **State OPWC Funds**

#### Intersection Improvement with Culvert Replacement

Yankee Road at Hankins Road

ESTIMATED PROJECT COST: \$925,000

State funds: \$545,471

Local BCEO funds: \$294,531

Local Liberty Township funds: \$42,499

Local Lemon Township funds: \$42,499



## ***Local Funds***

Intersection Improvement – Install roundabout

Hamilton Mason Road at Gilmore Road

ESTIMATED PROJECT COST: \$1,760,000

Local Funds: Fairfield Township, City of Hamilton



Intersection Improvement – Add turn lanes

Butler Warren Road at The Trails Boulevard  
BID AMOUNT: \$457,299  
Local BCEO funds: \$210,931  
Local WCEO funds: \$246,368



Intersection Improvement – Adjust Alignment

Elk Run Drive at Ohio 4  
ESTIMATED PROJECT COST: \$100,000  
Local BCEO Funds: \$100,000



# INTERCHANGE IMPROVEMENTS

## Federal Funds

Interchange Improvement = Add turn lanes to exit ramps, add turn lane EB Tylersville to SB I-75, upgrade signals and signage –Project began in 2018, to be completed spring 2019.

I-75 / Tylersville Road Interchange

ESTIMATED PROJECT COST: \$1,362,096 (ALREADY ACCOUNTED FOR IN 2018 CAPITAL IMPROVEMENTS REPORT)

Federal Funds: \$921,590

Local BCEO funds: \$440,506

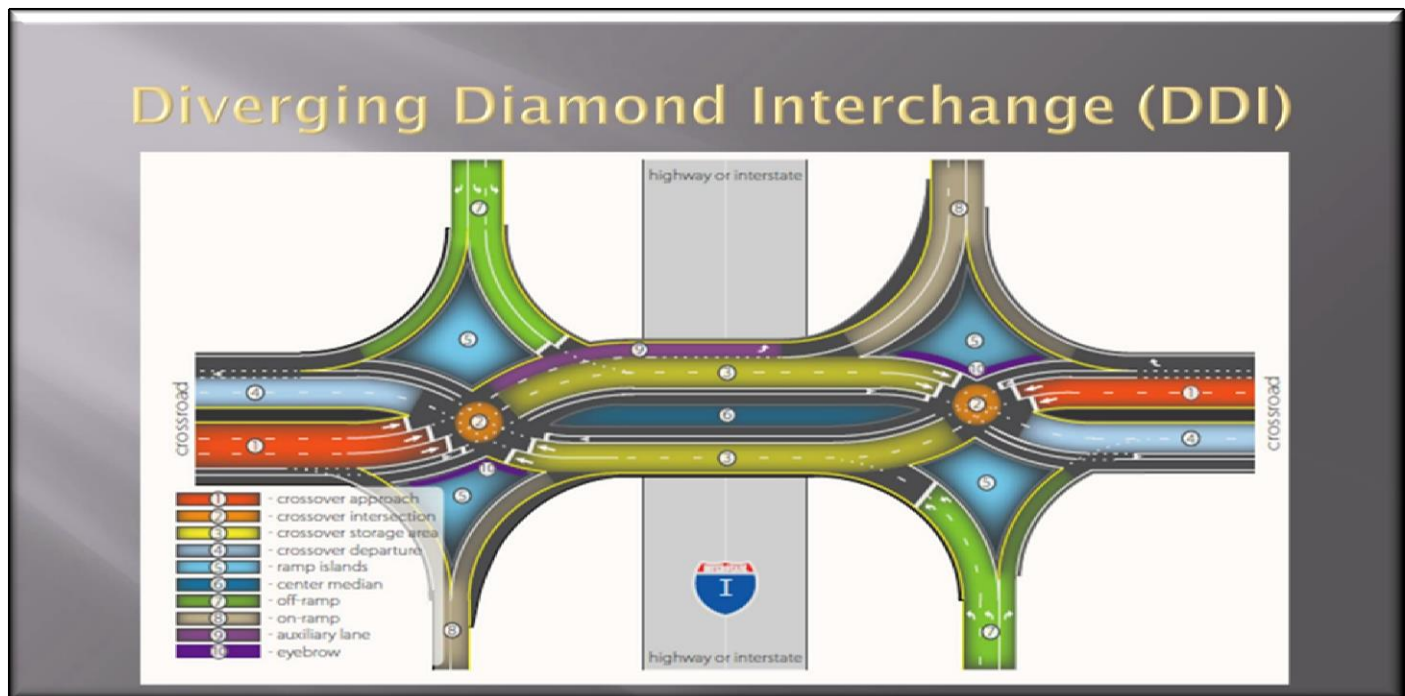
## Local Funds

Interchange Improvement/Modification – Convert to Diverging Diamond Interchange (DDI), add lanes to ramps, signals, sidewalks

Union Centre Boulevard/I-75 Interchange

ESTIMATED PROJECT COST: \$17,000,000

Local funds: West Chester Township TIF



# ROADWAY IMPROVEMENTS

## ***Federal Funds***

Roadway Improvement (PHASE 2)– Widen to 4 lanes, add curbs and sidewalks, bridge replacements, realign intersections

Cincinnati Dayton Road – West Chester Road to I-75

*BID AMOUNT: \$7,793,109 (ACCOUNTED FOR IN 2018 CAPITAL IMPROVEMENTS REPORT)*

*Federal funds: \$761,353*

*Local West Chester Township funds: \$2,031,756*



Roadway Improvement – Widen to 3 lanes, add center turn lane, widen shoulders, intersection lighting, adjust vertical profile

Liberty Fairfield Road – Princeton Road to Millikin Road

*ESTIMATED PROJECT COST: \$4,526,940*

*Federal funds: \$3,429,372*

*State Funds (OPWC): \$840,775*

*Local BCEO funds: \$256,793*



## **State OPWC Funds**

Roadway Improvement – Widen lanes, add shoulders, adjust vertical profiles

Millikin Road – LeSourdsville West Chester Road (south leg) to  
Mauds Hughes Road

ESTIMATED PROJECT COST: \$1,103,554

State funds: \$871,808

Local BCEO funds: \$206,746

Local Liberty Township funds: \$25,000



## **Local Funds by Contract**

Roadway Improvement – Profile adjustments, widen shoulders, add turn lanes

Princeton Road – Cincinnati Dayton Road to Butler Warren Road

BID AMOUNT: \$1,649,024

Local Liberty Township funds: \$1,649,024

# **PAVING**

## ***Local Funds by Contract***

### Resurfacing 38 miles of County and Township Roads (Asphalt)

#### County Roads:

Alert New London Road – Schradin Road to SR 126  
Beckett Road – Smith Road to Tylersville Road  
Brown Road – Address #6115 to Hueston Woods park road  
Cincinnati Dayton Road – I-75 to Mauds Hughes Road  
Cox Road – Tylersville Road to Liberty Way  
Hamilton New London Road – Morgan Ross Road to Layhigh Road  
Millikin Road – Mauds Hughes Road to Cincinnati Dayton Road  
Millikin Road – SR 4 to Bypass 4 overpass  
Minton Road – US 27 to Boyle Road  
Port Union Road – Fairfield City line to SR 747  
Riggs Road – Indian Creek Road to Oxford Township line  
Schradin Road – California Road to Alert New London Road  
State Line Center Road – Springfield Road (Reily Twp) to Join Road (IN)  
Union Centre Boulevard – Railroad overpass to Ohio 747

*Total miles: 19.3*

*Estimated cost: \$3,925,277.25*

#### Township Roads:

Barret Road – Station Road to West Chester Road  
Browns Run Road – Trenton Franklin Road to Hetzler Road  
Gilmore Road – SR 129 to Roundabout  
Kingsgate Way – new pavement to Cox Road  
Kirhling Road – Layhigh Road to US 27  
Oxford Middletown Road – SR 177 East 0.7 miles  
Oxford Milford Road – Oxford Township line to Somerville Road  
Mauds Hughes Road – Millikin Road to Kyles Station Road  
Station Road – Barret Road to new pavement  
University Drive – roundabout to Cox Road  
Various subdivision streets

*Total miles: 18.67*

*Estimated cost: \$3,356,107.90*

**ESTIMATED TOTAL COST: \$7,281,385.15**

Resurfacing 1.91 miles of Township Roads (Chip Seal)

Booth Road – Railroad Crossing to Oxford Township limit  
Brunner Road – Stahlheber Road to end of road  
Woodruff Road – Wallace Road to Oxford Township limit

ESTIMATED TOTAL COST: \$104,773.56

Resurfacing 6.04 miles of Township Roads (Black Mat seal and Micro Surface)

Bella Vista Drive – Lark Street to SR 128  
Bella Vista Drive – SR 128 to School Road  
Various subdivision streets in multiple townships

ESTIMATED TOTAL COST: \$407,459.83

**OTHER**

***Local Funds by Contract***

Drainage improvements - Storm sewer repairs

Amarillo Drive

ESTIMATED PROJECT COST: \$30,000

Funding: Community Development Block Grant, Hanover Township

Drainage improvements – Storm sewer installation

Church Street (Morgan Township – Okeana)

ESTIMATED PROJECT COST: \$106,000

Funding: Community Development Block Grant, Morgan Township

Drainage improvements, Resurfacing

Beckett Road – between bike path and roadway from fire station to Beckett Ridge  
Boulevard

ESTIMATED PROJECT COST: \$2,000,000

Funding: West Chester Township TIF

***Local Funds by Force Account***

Drainage improvements, ditching, guardrail replacement

Trenton Franklin Road at Michael Road

ESTIMATED PROJECT COST: \$80,000

(ACCOUNTED FOR IN 2018 CAPITAL IMPROVEMENTS REPORT)



## **SUMMARY**

The Butler County Engineer's 2019 Capital Improvements Report outlines \$49,581,640 million in capital improvement and paving projects proposed for this year, as well as projects that were not completed last year. (2018 project costs identified in the report are not shown in the totals below.) Each project listed in this Report will receive the direct involvement of the Butler County Engineer's Office (BCEO), including planning and engineering, funding, administration of the contract, and construction management and inspection. Where noted, the BCEO in some cases cooperates with other local agencies or private entities on a project, acting as the project administrator.

This year's proposed capital improvements by and in conjunction with the Butler County Engineer include:

<b><i>Project type</i></b>	<b><i>Number</i></b>	<b><i>Total</i></b>	<b><i>Grant</i></b>	<b><i>BCEO</i></b>	<b><i>Outside</i></b>
<b>Bridges</b>	<b>6</b>	<b>\$151,807</b>	<b>0</b>	<b>\$151,807</b>	<b>0</b>
<b>Culverts</b>	<b>35</b>	<b>\$571,000</b>	<b>0</b>	<b>\$511,000</b>	<b>\$60,000</b>
<b>Intersections</b>	<b>4</b>	<b>\$3,242,299</b>	<b>\$545,471</b>	<b>\$605,462</b>	<b>\$2,091,366</b>
<b>Interchange</b>	<b>2</b>	<b>\$17,000,000</b>	<b>0</b>	<b>0</b>	<b>\$17,000,000</b>
<b>Roadways</b>	<b>4</b>	<b>\$7,279,518</b>	<b>\$5,141,955</b>	<b>\$463,539</b>	<b>\$1,674,024</b>
<b>Resurfacing</b>	<b>45.92 miles</b>	<b>\$7,793,618</b>	<b>0</b>	<b>\$3,925,277</b>	<b>\$3,868,341</b>
<b>Other</b>	<b>4</b>	<b>\$2,136,000</b>	<b>\$136,000</b>	<b>0</b>	<b>\$2,000,000</b>
<b><i>Total</i></b>	<b><i>55 (plus paving)</i></b>	<b><i>\$38,174,242</i></b>	<b><i>\$5,823,426</i></b>	<b><i>\$5,657,085</i></b>	<b><i>\$26,693,731</i></b>

The BCEO's daily operations include road and bridge maintenance, planning, engineering, and designing many future projects. A complete list of current and future projects can be found on our web site at [www.bceo.org](http://www.bceo.org).