

BUTLER COUNTY ENGINEER'S OFFICE



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

www.bceo.org

2018
**Capital Improvements
Report**

March 19, 2018

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

RE: 2018 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 2018 capital improvements as of March 1, 2018. 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 2018.

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

2018 PROPOSED CAPITAL IMPROVEMENTS

The following list of proposed capital improvements and general maintenance projects is compiled as of March 1, 2018. This report lists projects that will begin construction during 2018. It does not include 2017 carryover projects still under construction that were accounted for in last year's Capital Improvements Report. 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

ESTIMATED PROJECT COST: \$2,599,236

Federal funds: \$2,469,274

Local BCEO funds: \$129,962

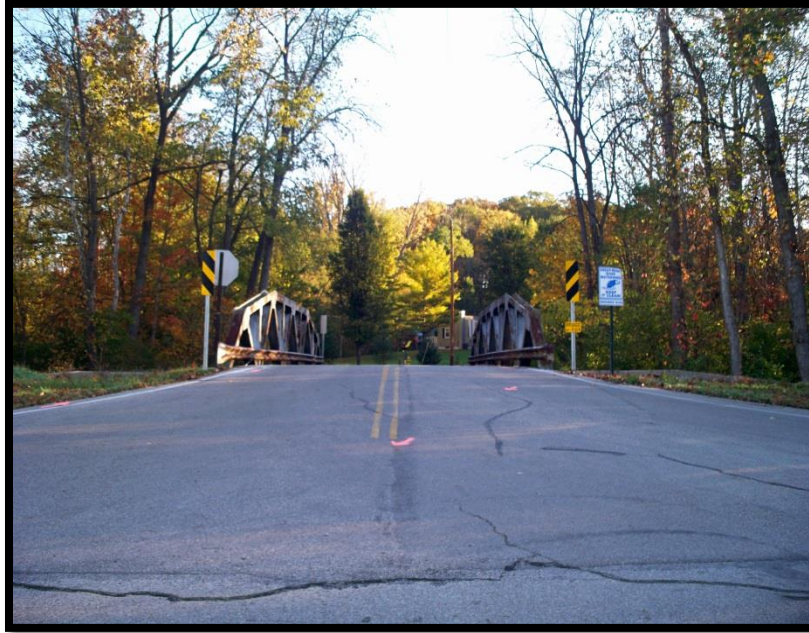


Bridge Replacement

Myers Road Bridge #00.019

BID AMOUNT: \$758,813

Federal funds: \$758,813



Local Funds by Force Account

Bridge Repair

Morgan Ross Road Bridge #00.390

ESTIMATED PROJECT COST: \$15,000



Bridge Repair

Barret Road Bridge #00.702

ESTIMATED PROJECT COST: \$15,000



Bridge Repair

McCoy Road Bridge #01.197

ESTIMATED PROJECT COST: \$10,000

Culverts

Local Funds by Force Account

Culvert Replacements/Repairs/Removals on County Roads

Alert New London Road Culvert #01.731
Alert New London Road Culvert #01.926
Alert New London Road Culvert #03.258
Brown Road Culvert #01.383
Brown Road Culvert #01.445
Bunker Hill Woods Road Culvert #00.050
Bunker Hill Woods Road Culvert #00.386
Bunker Hill Woods Road Culvert #02.484
Bunker Hill Woods Road Culvert #02.590
Hamilton New London Road Culvert #00.527
Lanes Mill Road Culvert #01.413
Morman Road Culvert #02.455
Morman Road Culvert #02.465
Nichols Road Culvert #02.532
Robinson Road Culvert #00.877
Schradin Road Culvert #01.734
State Line Center Road Culvert #02.802
Tylersville Road Culvert #06.044
West Alexandria Road Culvert #01.698

ESTIMATED TOTAL COST: \$363,000



Alert New London Road Culvert #03.258



Bunker Hill Woods Road Culvert #00.386



Tylersville Road Culvert #06.044



West Alexandria Road Culvert #01.698

Culvert Replacements/Repairs on Township/City Roads

Stillwell Beckett Road Culvert #00.099
Stillwell Beckett Road Culvert #00.763

ESTIMATED TOTAL COST: \$40,000

Materials – Oxford Township

Labor – BCEO FA

Oxford Milford Road Culvert #00.074

ESTIMATED TOTAL COST: \$50,000

Materials – City of Oxford

Labor – BCEO FA

Howe Road Culvert #00.645

ESTIMATED TOTAL COST: \$20,000

Materials – Wayne Township

Labor – BCEO FA

Hamilton Mason Road Culvert #05.452

ESTIMATED TOTAL COST: \$60,000

Intersection Improvements

Federal Funds

Intersection Improvement – Install roundabout

Beckett Road at Smith Road

BID AMOUNT \$996,090

Federal funds: \$796,872

Local West Chester Twp TIF funds: \$199,218



State OPWC Funds

Intersection Improvement – Install roundabout

Hamilton Mason Road at LeSourdsville West Chester Road

ESTIMATED PROJECT COST: \$800,000

State funds: \$567,680

Local BCEO funds: \$182,019

Local Liberty Twp funds: \$50,301



Intersection Improvement – Install roundabout

Yankee Road at Millikin Road

ESTIMATED PROJECT COST: \$800,000

State funds: \$553,602

Local BCEO funds: \$196,398

Local Liberty Twp funds: \$50,000



Interchange Improvements

Federal Funds

Interchange Improvement – Add turn lanes to entrance ramps, upgrade signals

Tylersville Road at I-75

BID AMOUNT: \$1,362,096

Federal funds: \$921,590

Local BCEO funds: \$440,506

Roadway Improvements

Federal Funds

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

Cincinnati Dayton Road – West Chester Road to I-75

ESTIMATED PROJECT COST: \$7,250,306

Federal funds: \$4,923,772

Local West Chester Twp funds: \$2,326,534



Roadway Improvement – Widen lanes and shoulders, adjust vertical profiles

Princeton Road – Jayfield Drive to Ohio 747

ESTIMATED PROJECT COST: \$2,118,044

Federal funds: \$1,694,435

Local BCEO funds: \$423,609



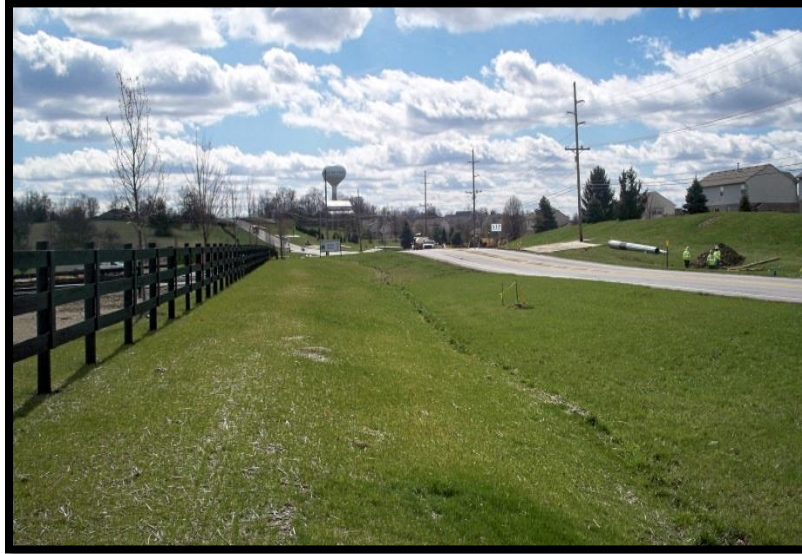
Roadway Improvement – Widen to five lanes, add turn lanes, full berms, sidewalks

Ohio 747 – Princeton Road to Millikin Road

BID AMOUNT: \$7,044,984

Federal funds: \$5,635,987

Local Liberty Twp funds: \$1,408,997



State OPWC Funds

Roadway Improvement – Widen lanes, rehabilitate pavement

Field Ertel Road – U.S. 42 to Bennington Drive

ESTIMATED PROJECT COST: \$2,097,000

State OPWC funds: \$465,534

City of Sharonville funds: \$1,321,110

Local BCEO funds: \$75,000

Local West Chester Township funds: \$235,356

Local Funds by Contract

Roadway Improvement – Ease curve

Hamilton Eaton Road – just north of U.S. 127

BID AMOUNT: \$169,448



Paving

Local Funds by Contract

Resurfacing 43.9 miles of County and Township Roads (Asphalt)

County Roads:

Booth Road – North Law Road to U.S. 27

Cincinnati Dayton Road – Mauds Hughes Road to Ohio 129

Elk Creek Road – Ohio 122 to West Alexandria Road

Huston Road – Scott Road to Ohio 73

Kyles Station Road – Ohio 4 to east of new Kroger

Layhigh Road – Ohio 126 to Hamilton New London Road

Morman Road – Stahlheber Road to Ohio 130

New Haven Road – Hamilton County line to Ohio 126

Riggs Road – Reily/Oxford Twp line to Brookville Road

Robinson Road – Layhigh Road to Ohio 129

Scott Road – Ohio 177 to Huston Road

Stillwell Beckett Road – Woods Station Road to U.S. 27

Stillwell Road – Bunker Hill Woods Road to Salman Road

Union Center Boulevard – Fairfield corp to Ohio 747

Waynes Trace Road – Ohio 744 to Preble County line

Total miles: 20.4

Estimated cost: \$3,003,485

Township Roads:

Barret Road – Cox Road to Paul Drive
Butler Warren Road – Taffy Drive to U.S. 42
Franklin Madison Road – Keister Road to Montgomery County line
Herman Road – U.S. 27 to Hamilton New London Road
McCauly Road – Dimmick Road to West Chester Road
Michael Road – Ohio 122 to Hetzler Road
Morris Road – address #6504 to Millikin Road
Radabaugh Road – Sycamore Road to Ohio 73
Vinnedge Road – Fairfield city corp to Evans Court
West Chester Road – Barret Road to Revere Run
Windisch Road – Crescentville Road to Allen Road
Various subdivision streets

Total miles: 23.5

Estimated cost: \$2,692,280

ESTIMATED TOTAL COST: \$5,695,765

Resurfacing 4.4 miles of County and Township Roads (Chip Seal)

Township Roads:

Hinkle Road – Hetzler Road to Montgomery County line
Layhigh Road – North Wynn Road to Chapel Road
Prichard Road – dead end to Montgomery County line
Shera Road – Stout Road to Taylor Road
Stout Road – Shera Road to Hayworth Road
Taylor School Road – Kinsinger Road to Huston Road (north leg)
Trenton Franklin Road – East Aberdeen Drive to dead end

Total miles: 4.4

Estimated cost: \$176,502

ESTIMATED TOTAL COST: \$176,502

Resurfacing 7.8 miles of Township Roads (Black Mat seal and Micro Surface)

Hine Road – Smith Road to Ohio 128
Various streets/roads in multiple townships

Total miles: 7.8

ESTIMATED TOTAL COST: \$438,506

Other

Local Funds by Contract

Drainage improvements (Phase 1)

Millikin Road east of Jackie Drive

ESTIMATED TOTAL COST: \$608,000

Funding: Liberty Twp Storm Water Grant, private

Drainage improvements (Phase 2)

Millikin Road east of Jackie Drive

ESTIMATED TOTAL COST: \$400,000

Funding: Butler County Storm Water District

Re-Striping of Centerlines and Edgelines (paint)

Various County and township roads

ESTIMATED TOTAL COST: \$325,000 (BCEO PORTION)

Local Funds by Force Account

Drainage improvement, piping, ditching

West Alexandria Road at Dickey Road

ESTIMATED TOTAL COST: \$30,000

Drainage improvement, ditching, guardrail replacement

Trenton Franklin Road at Michael Road

ESTIMATED TOTAL COST: \$80,000

Drainage improvement, ditching, piping

Hamilton Mason Road between Illumination and Londondale Drive

ESTIMATED TOTAL COST: \$50,000

SUMMARY

The Butler County Engineer's 2018 Capital Improvements Report outlines over \$34 million in capital improvement and paving projects proposed for this year. 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/or 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.

There are several projects – such as paving of township roads – that could not be added in time for this Report as they have not been finalized by their respective agencies.

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

<i>Project type</i>	<i>Number</i>	<i>Total</i>	<i>Grant/Outside funding</i>	<i>Local/BCEO/ County/TIF/Priv</i>
Bridges	5	\$3,398,049	\$3,228,087	\$169,962
Culverts	24	\$533,000	0	\$533,000
Intersections	3	\$2,596,090	\$1,918,154	\$677,936
Interchange	1	\$1,362,096	\$921,590	\$440,506
Roadways	5	\$18,679,782	\$14,040,838	\$4,638,944
Resurfacing	56.1 miles	\$6,310,773	0	\$6,310,773
Other	6	\$1,493,000	0	\$1,493,000
<i>Total</i>	<i>44 (plus paving)</i>	<i>\$34,372,790</i>	<i>\$18,787,559</i>	<i>\$15,585,231</i>

The BCEO proposes to be involved with an estimated total of \$34,372,790 in construction and capital improvements projects. Road and bridge maintenance are part of the BCEO's daily operations, as are studies, planning, engineering, and design which will continue this year on many future projects. A complete list of current and future projects can be found on our web site at www.bceo.org.