

2023 CAPITAL IMPROVEMENTS

BUTLER COUNTY ENGINEER'S OFFICE



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

www.bceo.org

MARCH 6, 2023

BOARD OF COUNTY COMMISSIONERS
BUTLER COUNTY GOVERNMENT SERVICES CENTER
315 HIGH STREET
HAMILTON, OHIO 45011-2759

RE: 2023 CAPITAL IMPROVEMENTS REPORT

BOARD OF BUTLER COUNTY COMMISSIONERS:

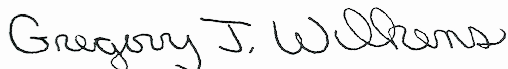
THE BUTLER COUNTY ENGINEER'S OFFICE STAFF CONDUCTS AN ONGOING INSPECTION AND ANALYSIS OF THE ROADS AND BRIDGES THAT ARE UNDER OUR JURISDICTION AND MAKE UP THE COUNTY SYSTEM, PER SECTION 5543.02 OF THE OHIO REVISED CODE. ON THE BASIS OF THESE INSPECTIONS AND ANALYSES, WE RESPECTFULLY SUBMIT TO THE BUTLER COUNTY BOARD OF COMMISSIONERS THIS REPORT FOR ALL RECOMMENDED 2023 CAPITAL IMPROVEMENTS AS OF MARCH 6, 2023.

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 2023.

THIS PROJECT LIST IS SUBJECT TO MODIFICATION AS FUNDING ALLOCATIONS CHANGE AND POSSIBLE EMERGENCY PROJECTS ARISE. A CONTINUOUSLY UPDATED PROJECT MAP IS MAINTAINED FOR PUBLIC VIEWING ON THE BUTLER COUNTY ENGINEER'S WEBSITE.

VERY TRULY YOURS,



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

2023 PROPOSED CAPITAL IMPROVEMENTS

THE FOLLOWING LIST OF PROPOSED CAPITAL IMPROVEMENTS AND GENERAL MAINTENANCE PROJECTS IS COMPILED AS OF MARCH 6, 2023. THIS REPORT LISTS PROJECTS THAT WILL BEGIN OR CONTINUE CONSTRUCTION DURING 2023. ALL LOCAL FUNDING AND MATCH MONEY FOR STATE AND FEDERAL GRANTS ARE BCEO FUNDS UNLESS OTHERWISE SPECIFIED.

BRIDGES

Federal Funds

Bridge Replacement - Design Build

Elk Creek Road Bridge #5.004

Contract Cost: \$2,093,019

Federal Funds: \$1,988,368

BCEO Funds: \$104,651



Superstructure Replacement

Harris Road Bridge #1.645

Estimated Project Cost: \$636,572

Federal Funds (CEAO)



BRIDGES (continued)

State Funds

Bridge Replacement

Multi- project contract including Princeton Road Bridge #6.887 and Princeton Road at Mauds Hughes Road Roundabout. Total Contract Cost: \$4,630,394 (not yet awarded)

Princeton Road Bridge #6.887

Individual Project Cost: \$3,417,999

State Funds (OPWC): \$1,526,733

BCEO Funds: \$1,866,266

Liberty Twp Funds: \$25,000



Local Funds by Contract

Bridge Replacement

Multi- project contract including Gates Road Bridge #0.695, Chapel Road Drainage, and Gene Avenue Culvert (Total Contract Cost: \$1,403,157)

Gates Road Bridge #0.695

Individual Project Cost: \$874,518

BCEO Funds: \$866,205

SWRWD: \$8,313



Culverts

Culverts by Contract

Culvert Installations

Multi- project contract including Gates Road Bridge #0.695, Chapel Road Drainage, and Gene Avenue Culvert (Total Contract Cost: \$1,403,157)

Gene Avenue #0.170

Individual Project Cost: \$246,852

CDBG Funds: \$160,454

Hanover Township Funds: \$86,398

Chapel Road #0.170

Individual Project Cost: \$281,787

BCEO Funds

Culverts by Force Account

Culvert Replacements/Repairs on County Roads

Contreras Road #0.570, #1.339

Elgin Road #0.091, # 0.231 (for Reily Township)

Elk Creek Road #2.202, #2.242

Hamilton Eaton Road #4.840, #5.567, #6.243, #6.615, #7.775

Hamilton New London Road #2.501

Jacksonburg Road #4.565, #5.598

Kehr Road #0.003

Law Road #0.83

Layhigh Road #0.0002

Springwood Drive #0.204, #TBD (for Oxford Township)

State Road #0.00, #1.691, #1.836

Stillwell Beckett Road #0.922, #2.082, #3.542, #3.684, #3.765, #3.974, #3.167 #4.165,

Todd Road (for Oxford Township) #0.810

Estimated Total Cost: \$619,500

INTERSECTION IMPROVEMENTS

Federal Funds

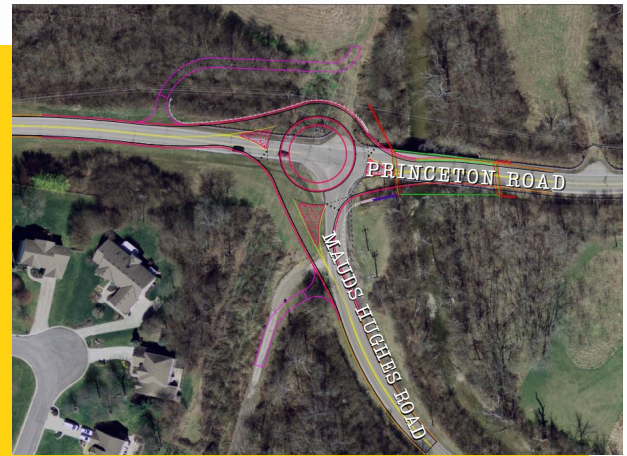
Intersection Improvement - Roundabout Installation

Multi- project contract including Princeton Road at Mauds Hughes Road roundabout and the Princeton Road bridge replacement. Total Contract Cost: \$4,630,394 (not yet awarded)

Princeton Road at Mauds Hughes Road

Individual Project Cost: \$1,212,396

Federal Funds (ODOT)



Intersection Improvement - Roundabout Installation

Stahlheber Road at Morman Road

Contract Cost: \$1,446,808 (not yet awarded)

Federal Funds (ODOT): \$1,267,317

BCEO Funds: \$179,491



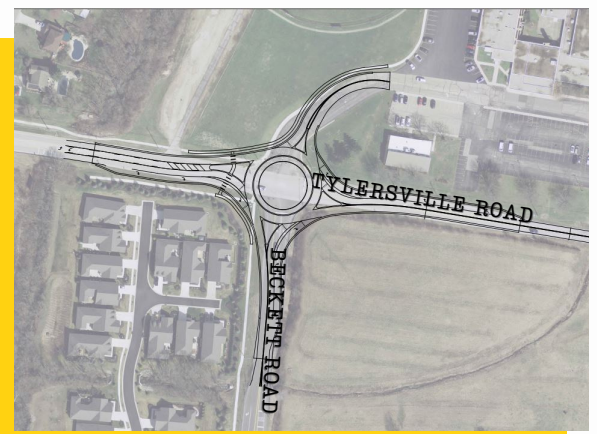
Intersection Improvement - Roundabout Installation

Tylersville Road at Beckett Road

Estimated Project Cost: \$2,060,915

West Chester Twp Funds: \$1,966,743

BCWS Funds: \$94,172



INTERCHANGE IMPROVEMENT

Federal Funds

Interchange Modification with bridge and roundabout (Cox Road)

Project began in 2021; completion scheduled for May 2023.

S.R. 129/I-75 at Liberty Way Interchange (Liberty Interchange)

Contract Cost: \$24,516,510

Federal Funds: \$11,663,500

ODOT Funds: \$1,115,267

Butler County Funds: \$11,700,621



ROADWAY IMPROVEMENTS

Federal Funds

Roadway Improvement

Project began in 2022; completion scheduled for summer 2023.

Crescentville Road Widening - S.R. 747 to I-75

Contract Cost: \$6,107,137

Federal Funds: \$3,549,371

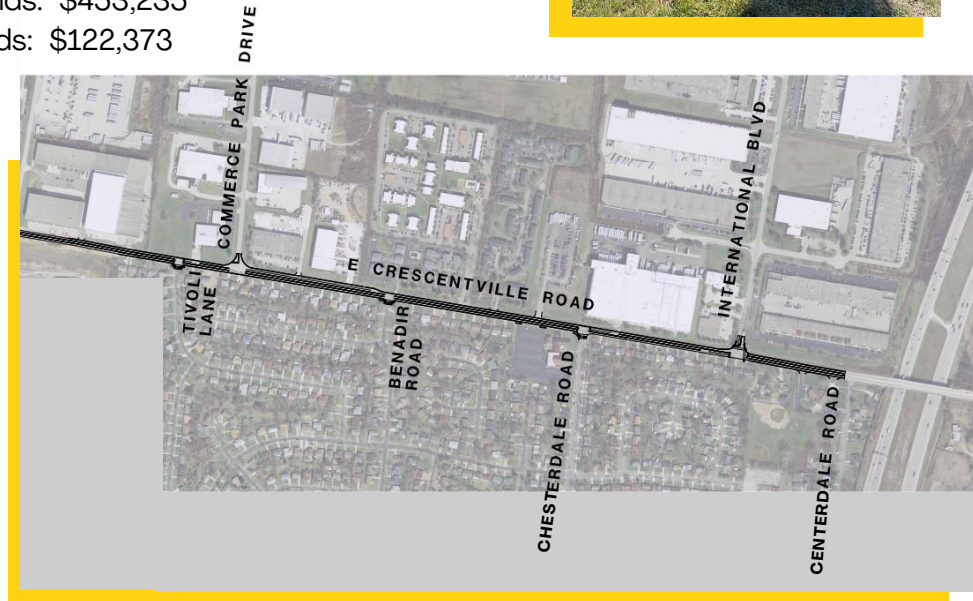
GCWW Funds: \$1,409,739

City of Springdale Funds: \$527,068

West Chester Twp Funds: \$453,235

City of Sharonville Funds: \$122,373

BCWS Funds: \$45,350



Roadway Improvement

Liberty Way Improvements - Phase 2

Estimated Project Cost: \$2,827,498

Federal Funds (OKI): \$2,176,108

Butler County Funds: \$651,350



ROADWAY IMPROVEMENTS

Federal Funds (continued)

Roadway Improvement

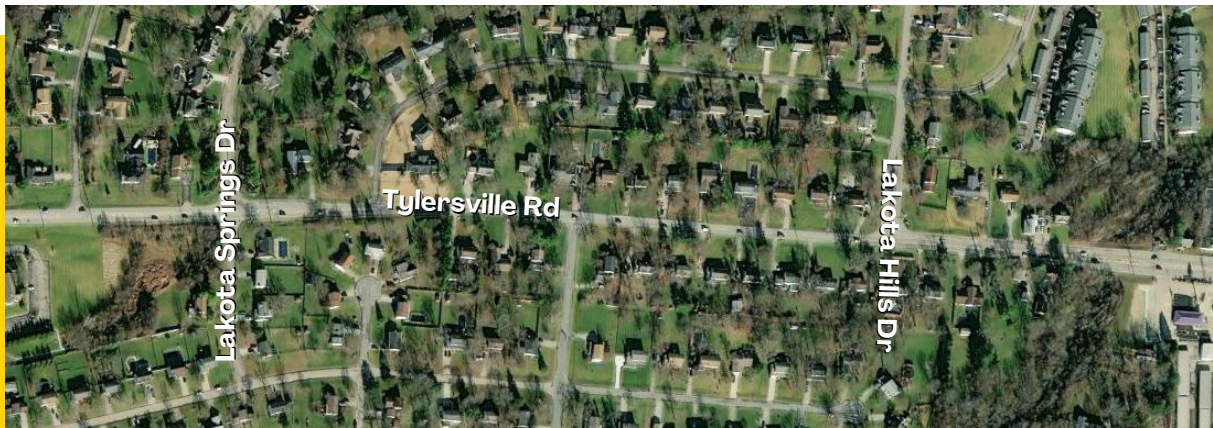
Tylersville Road Widening - Lakota Hills Dr. to Lakota Springs Dr.

Contract Cost: \$2,324,366 (not yet awarded)

Federal Funds (OKI): \$1,520,813

BCWS Funds: \$618,991

BCEO Funds: \$184,563



Local Funds

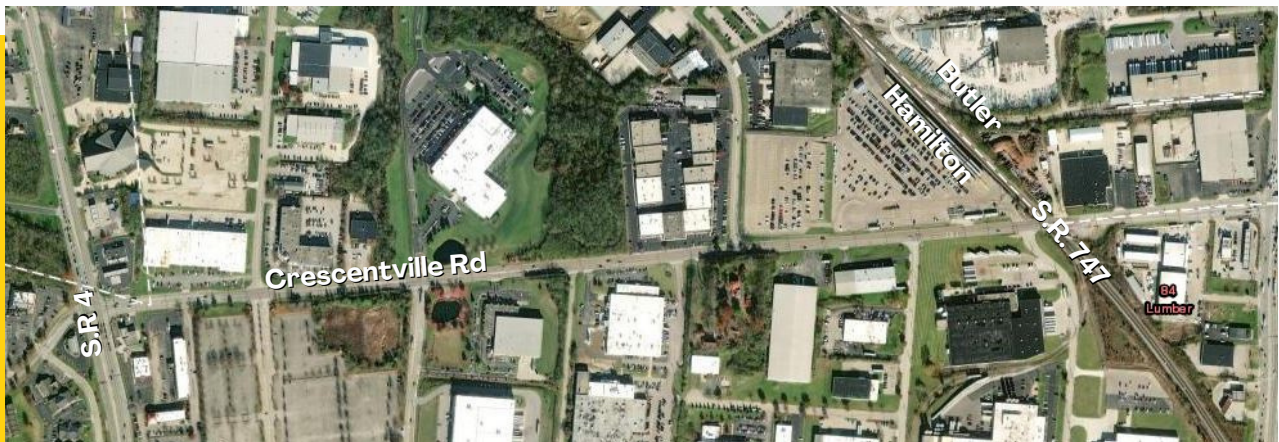
Roadway Improvement

Crescentville Road Catch Basin Repair- S.R. 4 to S.R. 747

Contract Cost: \$291,935

City of Springdale Funds: \$216,085

BCEO Funds: \$75,850



RESURFACING

Local Funds by Contract

Resurfacing 72.870 Miles of County and Township Roads (Asphalt)

County Roads:

Hamilton New London Road (Layhigh Rd to U.S. 27)
Huston Road (Scott Rd to Taylor School Rd)
Muhlhauser Road (Allen Rd to Union Centre Blvd/ Union Centre Blvd to West Chester Rd)
Muhlhauser Road Bridge #2.432 (Over N&S Railroad to east of International Blvd)
North Law Road (Stillwell Beckett Rd to Booth Rd)
Somerville Road (S.R. 732 to S.R. 177)
Taylor School Road (Huston Rd to Eaton Rd/ Seven Mile Corp. Line to Jacksonburg Rd)
Union Centre Boulevard (Lakota Dr West to Chappell Crossing Blvd/ Lakota Dr West
to West Chester Rd/ West Chester Rd to Allen Rd)
Waynes Trace Road (S.R. 127 to S.R. 744)
Woodsdale Road (Wayne Madison Rd to Trenton Corp. Line)
Yankee Road Bridge #7.362 (Over Dick's Creek to south of Oxford State Rd)

Total Miles: 20.029
Contract Cost: \$5,007,095
Butler County ARPA Funds: \$ 1,250,000
BCEO Funds: \$3,757,094

Township Roads:

Allen Road (Union Centre Blvd to I-75 S)
Harris Road (S.R. 177 to S.R. 127)
Lesourdsville West Chester Road (Kyles Station Rd to Hankins Rd)
Morgan Ross Road (County Line to 2900 Morgan Ross Rd/ 2900 Morgan Ross Rd to Layhigh Rd)
Morman Road (Stillwell Beckett Rd to 0.45 miles south)
Yankee Road (S.R. 63 to Township Line/ S.R. 63 Bridge)
Various streets in multiple townships

Total Miles: 52.841
Contract Cost: \$10,922,652
Butler County ARPA Funds: \$3,750,000
Townships' Funds: \$7,172,652
(Fairfield, Hanover, Lemon, Liberty,
Madison, Milford, Morgan, Oxford,
Reily, Ross, St. Clair, Wayne, West Chester)

Total Cost: \$15,929,746

Resurfacing 1.250 Miles of Township Roads (Black Mat Seal and Micro-Surface)

Various streets in Liberty Township

Estimated Total Cost: \$111,221

RESURFACING

Local Funds by Contract

Butler County Fairgrounds Parking Lot(Asphalt)

Asphalt paving in the pandemic vaccination traffic location, as well as drainage improvements.

Contract Cost: \$615,597 (not yet awarded)

Butler County Funds: \$558,507

Butler County Fair Board Funds: \$57,091

Hanover Township Parking Lot (Asphalt)

Asphalt paving in the Hanover Township Administration Bldg parking lot.

Estimate Project Cost: \$254,834

Hanover Twp Funds: \$130,834

CDBG Funds: \$124,000

OTHER IMPROVEMENTS

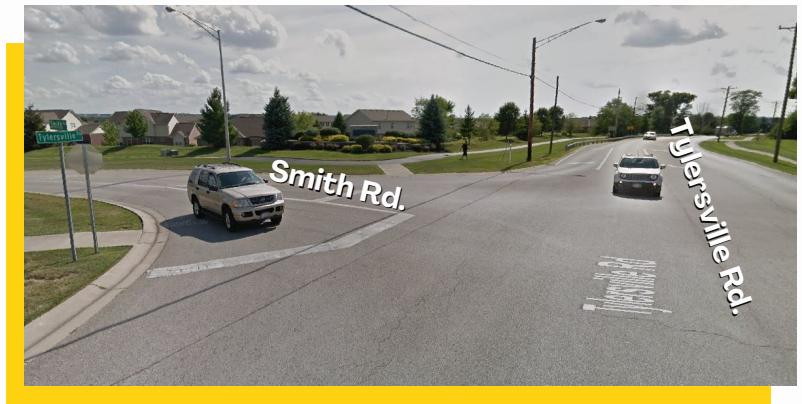
Local Funds by Contract

Traffic Signal Improvement

Tylersville Road at Smith Road Signal

Contract Cost: \$401,000

West Chester Twp Funds: \$401,000



Cured in Place Pipe Repair of Various Storm Sewers

CIPP, Phase 3 in West Chester and Oxford Townships

Contract Cost: \$3,704,246 (not yet awarded)

West Chester Twp Funds: \$2,911,268

BCEO Funds: \$782,081

Milford Twp Funds: \$6,667

Oxford Twp Funds: \$4,230

SUMMARY

The Butler County Engineer's 2023 Capital Improvements Report outlines over \$39 million in capital improvement and paving projects proposed for this year, in addition to the \$24 million interchange modification and the \$6 million Crescentville Road widening projects in progress. 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:

PROJECT TYPE	NUMBER	TOTAL	GRANT	BCEO	OUTSIDE
Bridge	4	\$ 7,022,108	\$ 4,151,673	\$2,837,122	\$ 33,313
Culvert	33	\$ 1,148,139	\$ 160,454	\$ 901,287	\$ 86,398
Intersection	3	\$ 4,720,119	\$ 4,446,456	\$ 179,491	\$ 94,172
Interchange	1	<i>Accounted for in 2021</i>	0	0	0
Roadway	4	\$ 5,443,760	\$ 3,696,921	\$ 260,413	\$ 1,486,426
Resurfacing	72.87 miles + 2 projects	\$ 16,911,398	\$ 124,000	\$3,757,094	\$13,030,304
Other	2	\$ 4,105,246	0	\$ 782,081	\$ 3,323,165
Total	49 plus paving	\$39,350,770	\$12,579,504	\$8,717,488	\$18,053,778

The BCEO's daily operations include road and bridge maintenance, planning, engineering, and designing many future projects. Current and future projects can be found on our Projects Map, accessed from our website at www.bceo.org.

BCEO WEBSITE



BCEO PROJECTS MAP

