

BUTLER COUNTY ENGINEER'S OFFICE



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

www.bceo.org

2007
Capital Improvements
Report

February 12, 2007

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

RE: 2007 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 2007 capital improvements as of February 6, 2007. 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 2007. Materials for all Force Account projects are bid through separate contracts.

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

2007 PROPOSED CAPITAL IMPROVEMENTS

The following list of proposed capital improvements and general maintenance projects is compiled as of February 6, 2007. This report lists projects that will begin construction during 2007. It does not include 2006 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 and Realignment of Roadway Approaches

Liberty Fairfield Road Bridge #03.803

ESTIMATED PROJECT COST: \$10,500,000



State OPWC Funds

Bridge Replacement

Bauer Road Bridge #00.807

ESTIMATED PROJECT COST: \$559,000



Bridge Replacement

Corso Road Bridge #00.123

ESTIMATED PROJECT COST: \$570,000



Bridge Replacement

Indian Creek Road Bridge #01.360

ESTIMATED PROJECT COST: \$775,000



Bridge Replacement

Layhigh Road Bridge #06.954

ESTIMATED PROJECT COST: \$524,000



Bridge Replacement

Ross Hanover Road Bridge #01.298

ESTIMATED PROJECT COST: \$681,000



Bridge Replacements

LeSourdsville West Chester Road Bridge #00.168

Morgan Ross Road Bridge #01.016

ESTIMATED PROJECT COST: \$884,000

(Construction of these bridges may be in 2008.)

Local Funds by Contract

Bridge Replacement

Tolbert Road Bridge #03.986

ESTIMATED PROJECT COST: \$92,500



Local Funds by Force Account

Bridge Replacement

Morganthaler Road Bridge #00.587

ESTIMATED PROJECT COST: \$150,000

(Materials to be purchased as a separate contract bid item.)



Bridge Replacement

Waynes Trace Road Bridge #00.747

ESTIMATED PROJECT COST: \$88,156

(Materials to be purchased as a separate contract bid item.)



Culverts

Local Funds by Force Account

Culvert Replacements

Beckett Road Culvert #01.610
Beissinger Road Culvert #00.217
Beissinger Road Culvert #01.397
Booth Road Culvert #02.336
Bunker Hill Woods Road Culvert #01.131
Eaton Road Culvert #06.439
Eaton Road Culvert #06.897
Eaton Road Culvert #07.208
Morris Road Culvert #02.441
State Road Culvert #02.011
State Road Culvert #02.203
State Road Culvert #02.354
Stillwell Road Culvert #01.984
Stillwell Road Culvert #02.787
Stillwell Beckett Road Culvert #06.316
Stillwell Beckett Road Culvert #06.523
Stillwell Beckett Road Culvert #06.674

ESTIMATED PROJECT COST: \$340,000

(Morris Road Culvert structure funding: Fairfield Twp. Construction: BCEO FA.)



Eaton Road Culvert #07.208



Stillwell Road Culvert #02.787



State Road Culvert #02.203



Bunker Hill Woods Road Culvert #01.131

Intersection Improvements

Local Funds by Contract

Intersection Improvement

Allen Road at Windisch Road and extension of Civic Centre Boulevard

ESTIMATED PROJECT COST: \$1,975,000

Funding: West Chester Twp TIF, Ohio Department of Development



Intersection Improvement - Signalization only

Cincinnati Dayton Road at Bethany Road

ESTIMATED PROJECT COST: \$125,000

Intersection Improvement and Signalization

Cincinnati Dayton Road at Linn Road / Summerlin Boulevard

ESTIMATED PROJECT COST: \$650,000

Funding: BCEO, Lakota Schools, private



Intersection Improvement and Signalization

Cincinnati Dayton Road at Millikin Road

ESTIMATED PROJECT COST: \$250,000

Intersection Improvement / Safety Upgrade, Roadway Realignment, Signalization

Kyles Station Road at Ohio 4

ESTIMATED PROJECT COST: \$1,175,000

Funding: BCEO, private, ODOT (signals only)



Old intersection to be eliminated.



New intersection to be realigned with Elk Run Drive.

Intersection Improvement

Muhlhauser Road at Allen Road

ESTIMATED PROJECT COST: \$1,600,000

Funding: Butler County, West Chester Twp TIF



Intersection in 2006 during first phase of improvements.

Intersection Improvement – Signal upgrade only

Muhlhauser Road at Centre Point Drive

ESTIMATED PROJECT COST: \$130,526

Funding: West Chester Twp TIF

Intersection Improvement – Signalization only

Muhlhauser Road at Floer Drive / Schulze Drive

ESTIMATED PROJECT COST: \$142,500

Funding: West Chester Twp TIF

Intersection Improvement – Signal upgrade only

Union Centre Boulevard at Civic Centre Boulevard

ESTIMATED PROJECT COST: \$130,526

Funding: West Chester Twp TIF

Intersection Improvement

Union Centre Boulevard at Muhlhauser Road

ESTIMATED PROJECT COST: \$1,734,000

Funding: West Chester Twp TIF

Local Funds by Force Account

Intersection Improvement

Millikin Road at Butler Warren Road

ESTIMATED PROJECT COST: \$20,000

Funding: BCEO, Liberty Twp

Roadway Improvements

Federal Funds

Roadway Improvement - Widen to 3 lanes

Cincinnati Dayton Road - Crescentville Road to West Chester Road

ESTIMATED PROJECT COST: \$3,038,897



Local Funds by Contract

Roadway Improvement – New street construction

Barb's Way (in Chappell Crossings)

ESTIMATED PROJECT COST: \$627,000

Funding: West Chester Twp TIF, private

Roadway Improvement – Widen to 3 lanes

Gilmore Road – Ohio 129 overpass to Princeton Road

ESTIMATED PROJECT COST: \$1,010,660

Funding: Fairfield Twp TIF

Roadway Improvement – Widen to 3 and 5 lanes

Hamilton Mason Road – N&S Railroad overpass to Cincinnati Dayton Road

ESTIMATED PROJECT COST: \$3,500,000

Funding: Butler County TIF, private

Paving

Local Funds By Contract

Contract for Resurfacing 10.8 miles of County Roads

Beckett Road – Smith Road to Tylersville Road

Beissinger Road – Ohio 177 to west of Eaton Road

Booth Road – North Law Road U.S. 27

Cincinnati Dayton Road – Millikin Road to Monroe corp

Crescentville Road – Fairfield corp to Ohio 747

Hamilton New London Road – Layhigh Road to U.S. 27

New Haven Road – Hamilton Co line to Ohio 126

Stillwell Beckett Road – North Pierson Road to U.S. 27

ESTIMATED PROJECT COST: \$1,224,870

(Crescentville Road funding: BCEO and City of Springdale)

Other

Federal Funds

Parking Lot Addition

Ronald Reagan Voice of Freedom MetroPark

ESTIMATED TOTAL COST: \$319,000

(Butler County MetroParks federal grant)

State Clean Ohio Trails Funds

Bikeway Extension

Port Union / Gilmore Ponds Historic Canal Trail – WC/Ffd Twp line to Bypass 4

ESTIMATED TOTAL COST: \$605,952

Local match: Butler County MetroParks, Fairfield City

Local Funds by Contract

Re-striping of Centerlines and Edgelines

Various County roads

ESTIMATED TOTAL COST: \$200,000

Preparation of New Streets for Hospital

University Pointe

ESTIMATED TOTAL COST: \$1,000,000

Funding: private

SUMMARY

The Butler County Engineer's 2007 Capital Improvements Report outlines approximately \$34.6 million in capital improvement 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 and Community Development Block Grant projects - 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 the Butler County Engineer include:

Project type	Number	Total	Grant/Outside funding	Local/BCEO/County/TIF/Priv
Bridges	11	\$14,823,656	\$11,445,000	\$3,378,656
Culverts	17	\$340,000	0	\$340,000
Intersections	11	\$7,932,552	\$300,000	\$7,632,552
Roadways	4	\$8,176,557	\$1,832,000	\$6,344,557
Paving	10.8 miles	\$1,224,870	0	\$1,224,870
Other	4	\$2,124,952	\$773,464	\$1,351,488
Total	47 (plus 10.8 miles paving)	\$34,622,587	\$14,350,464	\$20,272,123

The BCEO proposes to be involved with an estimated total of \$34,622,587 in projects and maintenance. It is vital to note the necessity of adequate local funding to leverage outside grant funds from the State and Federal governments. Without these additional revenue sources, many of the projects listed in this Report could not be constructed.

The BCEO looks to have an exceptional year for leveraged capital improvement funds. The chart below shows a leverage ratio of approximately 5:1 BCEO funds to other sources (roadway and structural projects only):

Project type	Number	Total	Non-BCEO funding	BCEO funding
Bridges	11	\$14,823,656	\$11,445,000	\$3,378,656
Culverts	17	\$340,000	0	\$340,000
Intersections	11	\$7,932,552	\$6,952,952	\$979,600
Roadways	4	\$8,176,557	\$6,969,660	\$1,206,897
Total	43	\$31,272,765	\$25,367,612	\$5,905,153

Construction and 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.